Samsung

GALAXY EXPRESS™

4G LTE SMARTPHONE

User Manual

Please read this manual before operating your phone, and keep it for future reference.

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required on all voice-capable devices, unless specifically noted otherwise in the terms governing your agreement. Some devices or plans may require you to subscribe to a data plan.

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Your phone features earSmart™, an intelligent voice processor that delivers a clear voice experience, allowing you to **hear and be heard**™ in nearly any environment. earSmart technology uses the science of human hearing to distinguish sounds, identify your voice and suppress surrounding noise, for clear conversations just about anywhere.

How Does It Work?

- The earSmart voice processor in your phone captures your voice and all the sounds around you.

- Working like the human ear, it processes and distinguishes these sounds, isolates your voice conversation, and removes background noise - from both ends of a call.
- It also automatically equalizes and adjusts voice volume so you can hear and talk naturally, even in the noisiest places.
- With earSmart technology, you can talk where you want, and have clear conversations for mobile calls, video chats, even speakerphone calls, without worrying about surrounding noise.

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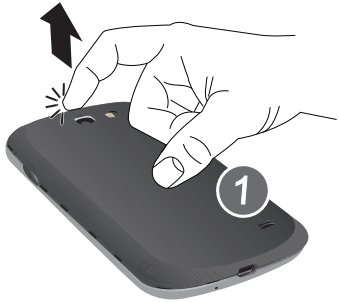
Section 1: Getting Started

This section explains how to start using your phone by first configuring your hardware, activating your service, and then setting up your voice mail.

Setting Up Your Phone

Prior to use it is necessary to install both the battery and SIM into their corresponding internal compartments. The microSD™ card slot is also located in this same internal area.

1. Remove the back cover by inserting a fingernail into the slot on the top of your phone (1).



2. Lift the cover up (2) and away from the phone (3).

Caution! Do not bend or twist the back cover excessively. Doing so may damage the cover.

Installing the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card loaded with your subscription details, such as your PIN, available optional services, and many others features.

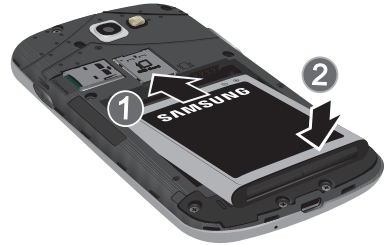
Important! The plug-in SIM card information and its contacts can be easily damaged by scratching or bending, so be careful when handling, inserting, or removing the card. Keep all SIM cards out of reach of small children.

- Carefully slide the SIM card into the SIM card socket (as shown) until the card locks into place.
  - Make sure that the card's gold contacts face into the phone and that the upper-left angled corner of the card is positioned as shown.

Note: If the card is not inserted correctly, the phone will not detect the SIM card. Re-orient the card back into the slot if the SIM is not detected.

Installing the Battery

1. Insert the battery into the opening on the back of the phone, making sure the connectors align (1).
2. Gently press down to secure the battery (2).



Removing and Installing the Memory Card

You can use a microSD™ (SD) or microSDHC™ card to expand available memory space if you desire. This secure digital card enables you to exchange images, music, and

data between SD-compatible devices. This type of memory card is designed for use with this mobile phone and other devices.

Note: Your phone has been tested to support up to a 32GB memory card.

Installing the Memory Card

- Push the microSD card into the slot until it clicks (as shown).
  - Make sure the microSD's gold contact pins face downward and the card is securely inserted.

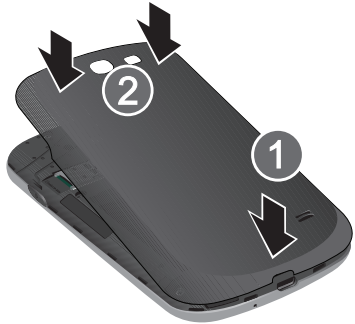
For more information on Memory Cards, see *"Memory Card"* on page 40.

Removing the Memory Card

1. Push on the memory card until it clicks and is released.
2. Grasp the memory card and remove it from the phone.

Installing the Back Cover

1. Place the battery cover onto the back of the phone (1) and press down (2).



2. Press along the edge of the back cover (3) until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charging a Battery

Your device is powered by a rechargeable Li-ion battery. The Travel Charger that is used to charge the battery, is included with your device. Use only Samsung-approved batteries and chargers.

Note: You must fully charge the battery before using your phone for the first time. A discharged battery recharges fully in approximately 4 hours.

Note: Long backlight settings, searching for service, vibrate mode, web browser use, and other variables may reduce the battery's talk and standby times.

Although you can use the phone while the battery is charging, doing so will require additional charging time.

Using the Travel Charger

Important! Verify that the handset battery is installed prior to connection. If the battery is not properly installed and the wall charger is connected, the handset may power off and on continuously, preventing proper operation.

1. Plug the flat end of the Travel Charger into the Power/ Accessory Interface connector and the other end into a standard AC wall outlet.
2. When charging is finished, remove the flat end from the interface connector jack on the phone.

Warning! If your handset has a touch screen display, please note that a touch screen responds best to a light touch from the pad of your finger. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty. For more information, refer to *"Standard Limited Warranty"* on page 199.

Note: Failure to unplug the wall charger before you remove the battery, can cause damage to the phone.

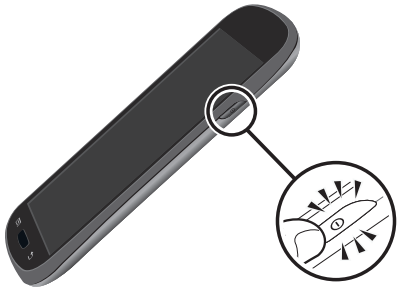
Low Battery Indicator

When the battery is weak and only a few minutes of talk time remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals. In this condition, your phone conserves its remaining battery power, not by turning off the backlight, but by entering the dimming mode. For a quick check of your battery level, glance at the battery charge indicator located in the upper-right corner of your device's display. Solid color ( ) indicates a full charge.

When the battery level becomes too low, the phone automatically turns off.

Switching the Phone On or Off

1. Press and hold until the phone switches on.



2. Swipe your finger across the screen to unlock the phone.

Note: The display language is preset to English at the factory. To change the language, use the Language menu. For more information, refer to *"Changing Your Settings"* on page 104.

3. To switch off the phone, press and hold , until the **Device options** screen displays.
4. Tap **Power off** to switch off the phone.
5. At the **Power off** prompt, tap **OK**.

Locking and Unlocking the Touch Screen

1. Press to lock the touch screen.
2. Press again to display the lock screen then swipe your finger across the screen to unlock.

Setting up your Phone with Ready2Go

When you turn on your phone for the first time, you will be prompted to setup the AT&T Ready2Go feature.

AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features.

1. When the **Fast & Easy Phone Set-Up** screen displays, tap **Select Language** if you want to change the default language.
2. Touch **Get Started** to begin.

   – or –

Touch **Cancel** to set up your phone later. You can access Ready2Go by tapping **Applications** → **AT&T Ready2Go**.

3. Read and follow the instructions on each screen.

Creating a Samsung Account

An active Samsung account is required to begin accessing applications such as ChatON.

1. From the home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically. For more information, refer to *"Notification Bar"* on page 38.
2. Tap **Samsung account**.
3. Tap **Create new account**.
4. Tap **Terms and conditions** to read them and tap **OK**.
5. Tap the **I accept all the terms above** checkbox.
6. Tap **Privacy policy** and read the policy and tap **OK**.
7. Tap **Agree**.
8. Enter the required information and tap **Sign up**.
9. At the Welcome screen, tap **Next**.
10. Follow the on-screen instructions to verify your email address and activate your account.

Creating a New Google Account

In order to utilize your device to the fullest extent, you will need to create a Google™ Account when you first use your device. With a Google Account, Google applications will always be in sync between your phone and computer.

If you did not create a new account during the setup procedure when you first turned your phone on, follow these steps:

1. From the Home screen, tap → **Gmail**.
   The **Add a Google Account** screen displays.
2. Tap **New** to create a new Google account.
   – or –
   If you already have a Google account, tap **Existing** to sign in and add the account to your phone.
3. Follow the on-screen instructions to add a Google Account.

Note: Once you have created a Google account, you only need to sign in.

Retrieving your Google Account Password

A Google account password is required for Google applications. If you misplace or forget your Google Account password, follow these instructions to retrieve it:

1. From your computer, use an Internet browser and navigate to http://google.com/accounts.
2. Click on the **Can't access your account?** link.
3. Tap the **I don't know my password** radio button.
4. Enter your Email address and click **Continue**.
5. Follow the password recovery procedure.

Setting Up Your Voice Mail

1. From the Home screen, tap , then tap .
2. Follow the tutorial to create a password, record a greeting, and record your name.

Note: These steps may be different depending on your network.

Accessing Your Voice Mail

1. From the Home screen, tap , then tap . You may be prompted to enter a password.
2. When connected, follow the voice prompts from the voice mail center.

Accessing Your Voice Mail From Another Phone

1. Dial your wireless phone number.
2. When you hear your voicemail greeting, press the asterisk key on the phone you are using.
3. Enter your password.

Troubleshooting

If your device has fatal errors, hangs up, or freezes, you may need to reset the device to regain functionality.

- If your device is frozen and unresponsive, press and hold the Power/Lock Key for 8 to 10 seconds.

Section 2: Understanding Your Phone

This section outlines some key features of your phone and describes the screen and the icons that appear when the phone is in use. It also shows how to navigate through the phone and provides information on using a memory card.

Features of Your Phone

Your phone is lightweight, easy-to-use and offers many useful features. The following list outlines a few of the features included in your phone.

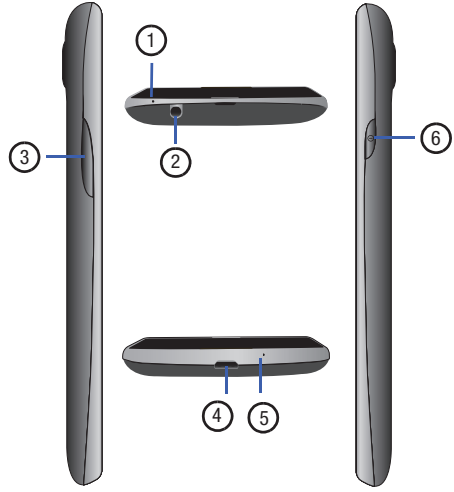
- 4G LTE network with 1.5 GHz dual core processor
- Android v 4.0.4, Ice Cream Sandwich Platform
- Touch screen provides quick response to a variety of in-phone menus and options including applications and up to seven home screens
- Virtual (on-screen) QWERTY keyboard
- Ready access to the Internet
- Built-in Bluetooth and advanced Wi-Fi® technology
- USB Tethering-capable
- Mobile Hotspot Capability
- Brilliant 4.5 Super AMOLED™ Plus display
- 5 Megapixel camera and camcorder with 1.3 Megapixel Front Facing camera
- AT&T GPS Navigation functionality provides real-time navigation
- HSDPA 21 mbps high speed download capability
- 8 GB built-in memory (on-board)
- Up to 32 GB expandable memory slot
- Corporate and Personal Email
- Sync and update social network applications
- Over 450,000 Apps available to download via Google Play Store™
- Access to Movies and TV Shows with Samsung Media Hub
- Full Integration of Google Mobile™ Services (Gmail, YouTube, Google Maps, Google Voice Search)
- Multiple Messaging Options: Text/Picture/Video Messaging, AT&T Messages, Google+, Google Messenger, and Google Talk
- DivX Certified® to play DivX® video up to HD 720p, including premium content

Front View of Your Phone

1. **Front facing camera**: allows you to take pictures of yourself when you set the camera shooting mode to Self shot.
2. **Proximity and Light sensors**: uses the ambient light level to adjust keypad access. If the light path is blocked, for example, when holding the phone close to your ear, the touch screen will turn off.
3. **Application icons**: you can place shortcuts to your favorite applications on the Home screen.
4. **Primary shortcuts**: allows quick access to important features such as Phone, Email, Browser, Camera, and Apps. For more information, refer to *"Primary Shortcuts"* on page 18.
5. **Menu key**: allows you to access sub-menus with additional options for different features and applications such as Home screen, Phone, Contacts, Messaging, and Web.
6. **Home key**: allows you to return to the main Home screen from any Home screen or menu. Press and hold to display Task Manager. Quickly press twice to activate the S Voice application.

7. **Back key**: allows you step backwards when navigating a menu or web page.
8. **Home screen indicator**: shows which Home screen is presently displayed.
9. **AccuWeather screen**: displays Time, Day, Date, Temperature and weather conditions for your area.
10. **Indicator icons**: shows the information needed to operate your phone, such as the received signal strength, phone battery level, time, unread Emails, missed calls, etc.
11. **External speaker**: allows you to hear the caller.

Side Views of Your Phone



1. **Microphone**: used for noise cancellation and stereo recording.
2. **3.5mm Headset jack**: allows you to plug in headphones.

3. **Volume keys**: allow you to adjust the ringer volume while in standby mode or adjust the voice volume during a call. When receiving an incoming call, briefly press down either volume key ( ) to mute the ring tone. Adjusts text size when reading a message or using the browser in the Apps folder.
4. **Power/Accessory Interface connector**: allows you to connect a Travel Charger or other optional accessories such as a USB/data cable or a hands-free headset for convenient, hands-free conversations.
5. **Microphone**: allows other callers to hear you when you are speaking to them. It also used for the Speakerphone.
6. **Power/Lock key**: ( ) lets you power your phone on and off. Also allows you to lock or unlock the touch screen. For more information on locking your phone, see *"Locking and Unlocking the Phone"* on page 29.

Rear View of Your Phone

1. **Camera lens**: is used to take pictures and shoot videos.
2. **Flash**: is used to provide adequate light when taking pictures in dark places.
3. **External speaker**: allows you to hear when the Speakerphone is turned on.

Display Layout

Your display screen provides a wealth of information about the phone's status and options, as well as providing access to application icons. For more information, refer to *"Front View of Your Phone"* on page 15.

Primary Shortcuts

There are four non-movable Application Shortcuts that appear at the bottom of all Home screens. The default shortcuts are:

- **Phone** for dialing a number.
- **Email** for sending and receiving Email messages.
- **Browser** for surfing the Internet.
- **Camera** for taking pictures and videos.
- **Apps** for accessing the applications on your phone.

You can change the Phone, Email, Browser, and Camera application shortcuts to any icon that is displayed in the Apps menu.

For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 33.

Indicator Icons

This list identifies the symbols you'll see on your phone's display and Indicator area:

Displays your current signal strength. The greater the number of bars, the stronger the signal.

Indicates that the Airplane Mode is active. You cannot send or receive any calls or access online information.

Displays when there is no SIM card in the phone.

Displays when there is no network available.

Displays when there is a system error or alert.

Displays when a call is in progress.

Displays when a call is on hold.

Displays when the speakerphone is on.

Displays when a call has been missed.

Displays when a call has been muted.

Displays when Call forwarding is set to Always forward. For more information, refer to *"Call forwarding"* on page 55.

Displays your battery charge level. Icon shown is fully charged.

Displays when your battery is charging. Also displays battery charge level.

Device Power Critical – Shows your current battery only has three percent power remaining and will immediately shutdown.

Displays when your connection to an EDGE network is active.

Displays when your phone is communicating with the EDGE network.

Displays when your connection to a UTMS, HSDPA, HSPA, or HSPA+ network is active.

Displays when your phone is communicating with the UTMS, HSDPA, HSPA, or HSPA+ network.

Displays when your connection to a 4G LTE network is active.

Displays when your phone is communicating with the 4G LTE network.

Displays when your phone is downloading or has downloaded a file. It will blink green when it is installing.

Displays when the an outbound file transfer is in progress.

Displays when a Play Store download has completed.

Displays when updates are available for download.

Displays when the phone is connected to a computer via a supported USB cable connection.

Displays when the phone is tethered via a supported USB cable connection.

Displays when a new text or multimedia message is received.

Displays when a new voice mail is received.

Displays when Email is received.

Displays when the time and date for a Calendar Event has arrived. For more information, refer to *"Calendar"* on page 155.

Displays when you set an alarm to ring at a specified time. For more information, refer to *"Alarm"* on page 157.

Displays when the Sound profile is set to Mute.

Displays when the Sound profile is set to Vibrate.

Displays when Bluetooth is activated.

Displays when a Bluetooth device has been paired with the phone.

Displays briefly when Bluetooth is on but is not connected to a Bluetooth device.

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when Wi-Fi Direct is active and your phone is connected to another device.

Displays when your phone as been configured as a portable Wi-Fi hotspot.

Displays when your phone is connected to a PC using Kies air.

Displays when GPS is active and acquiring a signal.

Displays when data synchronization and application sync is active and synchronization is in progress for Gmail, Calendar, and Contacts.

Displays when your phone is connecting to the Device Management server when you first turn on your phone.

Displays when TTY device has been inserted.

Displays when the keypad is active.

Displays when you have not yet set up a Samsung Account.

Displays when an emergency call is taking place.

For more details on configuring your phone's settings, see *"Changing Your Settings"* on page 104.

Application Icons

The Apps menu provides quick access to the items you use most frequently.

The following table contains a description of each application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

For information on navigating through the Apps icons, see *"Navigating Through the Application Menus"* on page 31.

1. From the Home screen, tap , then tap one of the application icons.
2. Follow the on-screen instructions.
3. To return to the main Home screen, tap .

The following applications are available:

Amazon Kindle: This application allows you to download books, magazines, and newspapers to read on your phone. For more information, refer to *"Amazon Kindle"* on page 152.

AT&T Code Scanner: AT&T Code Scanner allows you to scan 2D (QR and datamatrix codes) and 1D (UPC and EAN) barcodes found in magazines, stores, and online. For more information, refer to *"AT&T Code Scanner"* on page 152.

AT&T FamilyMap: provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private. For more information, refer to *"AT&T FamilyMap"* on page 153.

AT&T Locker: AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud. For more information, refer to *"AT&T Locker"* on page 154.

AT&T Navigator: AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches based on a variety of category parameters. For more information, refer to *"AT&T Navigator"* on page 154.

AT&T Ready2Go: AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to *"AT&T Ready2Go"* on page 154.

AT&T Smart Wi-Fi: With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use. For more information, refer to *"AT&T Smart Wi-Fi"* on page 154.

Browser: Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 136.

Calculator: Using this feature you can use the phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. You can also use this as a scientific calculator. For more information, refer to *"Calculator"* on page 155.

Calendar: With the Calendar application, you can consult the calendar by day, week, month, year, create events, and set an alarm to act as a reminder, if necessary. For more information, refer to *"Calendar"* on page 155.

Camera: Use your 5.0 Megapixel camera feature to produce photos and videos. For more information, refer to *"Camera"* on page 85.

ChatON: With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can also chat in groups. For more information, refer to *"ChatON"* on page 157.

Clock: The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and setup a Desk Clock. For more information, refer to *"Clock"* on page 157.

Contacts: You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group. You can also synchronize your phone Address Book with AT&T Address Book, the network backup service. For more information, refer to *"Contacts and Your Address Book"* on page 63.

DeviceHelp: DeviceHelp provides online information to help with your device questions. For more information, refer to *"DeviceHelp"* on page 160.

Downloads: The Downloads application allows you to manage all of your downloads from the Play Store and the Browser. For more information, refer to *"Downloads"* on page 160.

Email: Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 98.

Gallery: The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 84.

Gmail: Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 100.

Google +: Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google +"* on page 102.

Kies air: Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view call logs, videos, photos, bookmarks, IMs, and even send SMS messages from your home computer. For more information, refer to *"Kies air"* on page 151.

Latitude: With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location. For more information, refer to *"Latitude"* on page 161.

Live TV: Live TV is a subscription service that allows you to watch your favorite TV shows using your handset. For more information, refer to *"Live TV"* on page 76.

Local: Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and more. You can also add your own locations. For more information, refer to *"Local"* on page 163.

Maps: Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends. For more information, refer to *"Maps"* on page 163.

Media Hub: Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 77.

Memo: This feature allows you to create a memo. For more information, refer to *"Memo"* on page 165.

Messages: AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to *"Messages App"* on page 102.

Messaging: You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 92.

Messenger: Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 102.

Mobile Hotspot: This application allows you to share your phones's mobile data connection as a portable Wi-Fi hotspot. For more information, refer to *"Tethering & portable hotspot"* on page 108.

Music Player: Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 79.

My files: My files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location. For more information, refer to *"My Files"* on page 166.

myAT&T: myAT&T allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan. For more information, refer to *"myAT&T"* on page 167.

Navigation: Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination. For more information, refer to *"Navigation"* on page 168.

Phone: Allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 42.

Play Books: With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore. For more information, refer to *"Play Books"* on page 170.

Play Magazines: With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place. For more information, refer to *"Play Magazines"* on page 170.

Play Movies & TV: With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time. For more information, refer to *"Play Movies & TV"* on page 83.

Play Music: With the Music application, while online, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 82.

Play Store: The Play Store provides access to downloadable applications and games to install on your phone. For more information, refer to *"Play Store"* on page 171.

S Suggest: This application recommends popular applications when connected to a Wi-Fi network. All recommended applications are guaranteed to be compatible with your device. For more information, refer to *"S Suggest"* on page 171.

S Voice: With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc. For more information, refer to *"S Voice"* on page 172.

Search: The Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, see *"Google Search Bar"* on page 27.

Settings: This icon navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *"Changing Your Settings"* on page 104.

Talk: Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 101.

Video Player: The Video Player application plays video files stored on your microSD card. For more information, refer to *"Video Player"* on page 82.

Voice Recorder: The Voice Recorder allows you to record an audio file up to one minute long and then immediately send it as a message. For more information, refer to *"Voice Recorder"* on page 173.

YouTube: YouTube is a video sharing website on which users can upload and share videos, and view them in MPEG-4 format. For more information, refer to *"YouTube"* on page 174.

YPmobile: The YPmobile (Yellowpages) application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time. For more information, refer to *"YPmobile"* on page 175.

Tip: To open applications quickly, add the icons of frequently-used applications to the Home screen or to the folders you created. For details, see *"Customizing Your Home Screen"* on page 32.

Google Search Bar

The Google Search Bar provides you an on-screen Internet search engine powered by Google™.

1. From the main Home screen, sweep the screen to the left to bring up the next Home screen.
2. Tap the Google Search bar

.
3. Use the on-screen keypad to enter the item you want to search for, then tap .

4. Tap to use Google Voice Search. For more information, refer to *"S Voice"* on page 172.

Menu Navigation

You can tailor the phone's range of functions to fit your needs using both menus and widgets. Menus, sub-menus, and features can be accessed by scrolling through the available on-screen menus. Your phone originally has three home screens but you can expand up to seven home screens.

Command Keys

Menu Key

Press **Menu** to display a context-sensitive menu of options for the current screen or feature.

Home Key

Press **Home** to display the main Home screen. Press and hold to display recently used apps and access the Task manager.

Back Key

Press **Back** to return to the previous screen, option or step.

Terms used in this user manual

Tap

Lightly touch items to select or launch them. For example:

- Tap the on screen keyboard to enter characters or text.
- Tap a menu item to select it.
- Tap an application's icon to launch the application.

Touch and Hold

Activate on-screen items by a touch and hold gesture. For example:

- Touch and hold a widget on the home screen to move it.
- Touch and hold on a field to display a pop-up menu of options.

Swipe

To swipe, lightly drag your finger vertically or horizontally across the screen. Use swipe when:

- Unlocking the screen
- Scrolling through the Home screen or a menu

To palm swipe, swipe the side of your hand horizontally across the screen. Use palm swipe when:

- Capturing the screen

Tilt

To activate the tilt feature, press and hold two points on the screen then tilt the device back and forth to reduce or enlarge the screen. Use tilt to:

- Reduce or enlarge the screen in the Gallery or Browser.

For more information, refer to *"Motion"* on page 115.

Turn over

Turn your phone over so that the screen faces downward. For example:

- Mute incoming calls and playing sounds by turning your phone over.

Using Gestures

By activating the various gesture features within the Motion Settings menu, you can access a variety of time saving functions.

To activate motion:

1. From the Home screen, press and then tap **Settings** ➔ **Motion**.
2. Tap the ON/OFF icon located at the top right of the screen to activate the motion feature.
3. Tap the checkboxes to the right of the listed features to create a checkmark and activate the feature.
   - **Shake to update**: Once enabled, shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.
   - **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.

Locking and Unlocking the Phone

To unlock your phone:

1. Press the lock button located on the upper right side of your phone.
2. The lock screen will display with **Swipe screen to unlock** displayed at the bottom of the screen.

3. Swipe the touch screen in any direction.

4. The Home screen will display as shown above.

Note: There are several additional ways you can lock your screen. For more information, refer to *"Screen lock"* on page 120.

Home Screen Overview

The main home screen is the starting point for many applications and functions, and it allows you to add items like application icons, shortcuts, folders, or Google widgets to give you instant access to information and applications. This is the default page and accessible from any menu by pressing .

Navigating Through the Home Screens

Your phone initially has three home screens but you can expand up to seven home screens. If you like, you can place different applications on each of the home screens.

- From the main Home screen, sweep the screen with your finger in either direction. The main Home Screen is located in the middle with three Home screens on each side.

Navigating Through the Application Menus

Your phone initially has three Application Menus available. Follow these steps to navigate through the Application Menus:

1. At the Home screen, tap . The first Application Menu will be displayed.
2. Sweep the screen left or right to access the other two menus.
3. Tap one of the application icons.

Note: As you add applications, the number of Application menus that you have available will increase.

Navigating Using Sub-Menus

Sub-menus are available when you are at any Home screen or have selected a feature or application such as Phone, Contacts, Messaging, or Internet.

To access a sub-menu:

1. Press .

   A sub-menu will appear at the bottom of the phone screen.

2. Tap an option.

Accessing Recently-Used Apps

1. Press and hold [ ] from any screen to open the recently-used applications window.
2. Tap an icon to open the selected application.

   – or –

   Tap **Task manager** to go to the Task manager.

Customizing Your Home Screen

You can customize your Home screen by doing the following:

- Creating Shortcuts
- Adding and Removing Widgets on the Home Screen
- Repositioning Widgets
- Creating Folders
- Changing the Wallpaper
- Adding and Deleting Home Screens

Creating Shortcuts

Shortcuts are different than the current Home screen Widgets that only launch an application. Shortcuts activate a feature, action, or launch an application.

Note: To move a shortcut from one screen to another, it must first be deleted from its current screen. Navigate to the new screen, then add the shortcut.

Adding a shortcut from the Apps Menu

1. Press [ ] to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Tap [ ] to display your current applications.

4. Scroll through the list and locate your desired application.
5. Touch and hold the application icon. This creates an immediate shortcut of the selected icon and closes the **Apps** tab.
6. While still holding the on-screen icon, position it on the current page. Once complete, release the screen to lock the new shortcut into its new position on the current screen.

Adding a shortcut via the Add to Home screen

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the Home screen.
4. Tap **Apps and widgets**, **Folder**, or **Page**.
5. Press and hold a shortcut from the available list and position it on the current screen.

Deleting a shortcut

1. Press to activate the main Home screen.
2. Touch and hold the desired shortcut. This unlocks it from its location on the current screen.
3. Drag the icon over the Delete icon and release it.

   As you place the shortcut into the Trash, both items turn red.

Note: This action does not delete the shortcut, it just removes it from the current screen.

Adding and Removing Primary Shortcuts

You can change any of your primary shortcuts with the exception of the **Apps** shortcut.

1. Press to activate the main Home screen.
2. Touch and hold the primary shortcut you want to replace, then drag it to an empty space on any Home screen.
3. Scroll through the Home screen to find the shortcut you want to add as the new primary short cut.
4. Touch and hold the new shortcut, then drag it to the empty space in the row of primary shortcuts.

   The new primary shortcut will now appear on all Home screens.

Adding and Removing Widgets

Widgets are self-contained applications that reside in either your Widgets tab or on the main or extended Home screens. Unlike a shortcut, the Widget appears as an on-screen application.

Adding a Widget

1. Press to activate the main Home screen.
2. Navigate to the desired Home Page.
3. Touch and hold on an empty area of the screen.
4. Tap **Apps and widgets**.
5. Tap the **Widgets** tab at the top of the screen.
6. Press and hold an available Widget to position it on the current screen.

Removing a Widget

1. Touch and hold a Widget until you can move it around on the screen.
2. Drag the Widget over the Delete icon and release it.

   As you place the Widget into the Trash, both items turn red.

Note: This action does not actually delete the Widget, it just removes it from the current Home screen.

Moving Icons in the Apps Menu

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **View type**.
5. Tap **Customizable grid**. A green circle will appear next to the option.
6. Press and tap **Edit**.
7. Scroll through the list and locate the icon you wish to move.
8. Touch and drag the icon to the position that you want. To move to a different page, drag the icon to the edge of the page until the page scrolls to the desired page.
9. Tap **Save**.
10. Press to return to the Home screen.

Creating Application Folders

You can create application folders to hold similar applications if you wish.

To create a folder follow these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.
5. Touch and hold the first application that you would like to move to a folder.
6. Drag the icon down to the icon.
7. A folder is displayed in the original place of the application icon with the application icon displayed on top of it.
8. Repeat steps 5 - 7 to add additional apps to the folder.
9. Drag the icon down to the icon to view information on the application.
10. Tap **Save**.

Adding a New Page to the Application Menu

You can add a new page to your application menu by following these steps:

1. Press to activate the main Home screen.
2. Tap to display your current applications.
3. Tap the **Apps** tab at the top of the screen if it is not already selected.
4. Press and tap **Edit**.
5. Touch and hold the first application that you would like to move to a new page.
6. Drag the icon down to the icon.

   The app will appear on a new page.

Changing the Wallpaper

You can change the Wallpaper (background) of your home screens by following these steps:

1. From any Home screen, touch and hold on an empty area of the screen.

   The **Home screen** window is displayed.

2. Under the **Set wallpaper for** heading, select the location where you would like to change the wallpaper. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.

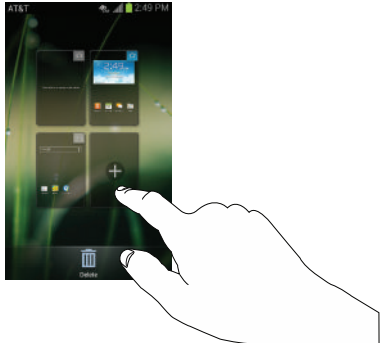
3. Tap one of the following options:
   - **Gallery**: select a wallpaper from photographs you have taken with your camera.
   - **Live wallpapers**: select an animated wallpaper. This option is not available for the Lock screen option.
   - **Wallpapers**: select from many still-life wallpapers.
4. Select a wallpaper and tap **Set wallpaper**, **Done**, or **Cancel**.

Adding and Deleting Home Screens

You can add and delete Home screens. You can have up to seven Home screens.

To add a Home screen, follow these steps:

1. Press Home to activate the main Home screen.
2. Press Menu and tap **Edit page**.
3. Touch and hold the Home screen that contains ⊕ and drag it to the new location.

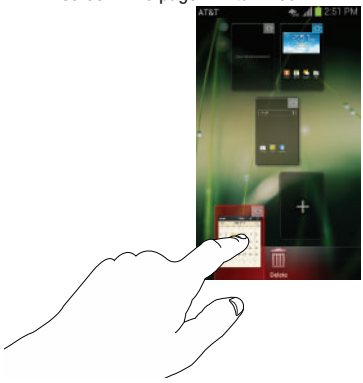


4. Press Home to return to the main Home screen.
   You can now add items to your new Home screen.

To delete a Home screen, follow these steps:

1. Press Home to activate the main Home screen.
2. Press Menu and tap **Edit page**.
3. Touch and hold the Home screen you want to delete.

4. Drag it to the trash can located at the bottom of the screen. The page will turn red.



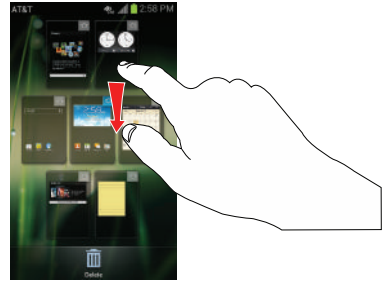
5. If there are items on the Home screen that you want to delete, the **Remove home screen page** prompt is displayed.
6. Tap **OK** to delete the page and its contents, otherwise tap **Cancel**.
7. Press [Home] to return to the main Home screen.

Moving Home Screens

You can arrange your Home screens in any order that you want.

To move a Home screen, follow these steps:

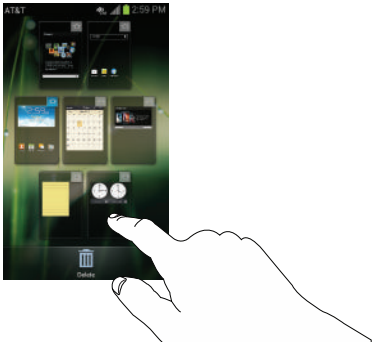
1. Press [Home] to activate the main Home screen.
2. Press [Menu] and tap **Edit page**.
3. Touch and hold the Home screen you want to move.



4. Drag it to the location that you would like to place it.

   In this example, the Dual clock app screen is moved to the last position.

When you move a Home screen, the other Home screens are be re-ordered automatically.

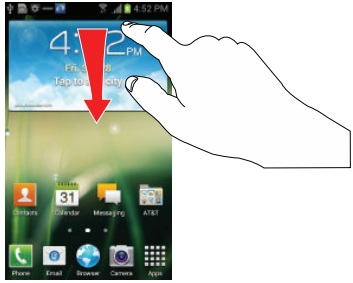


5. Press [ ] to return to the main Home screen.

Notification Bar

The Notification Bar includes a pull-down list to show information about processes that are running, recent notifications, and alerts. To display the Status indicator:

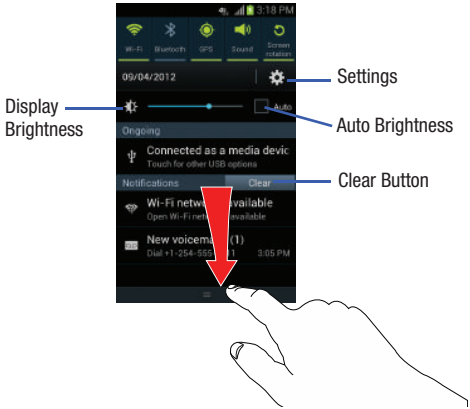
- On the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.



Clearing Notifications

To clear all notifications from the Notification panel:

1. From the Home screen, touch and hold the Notification Bar until the pull-down displays, then drag down vertically.

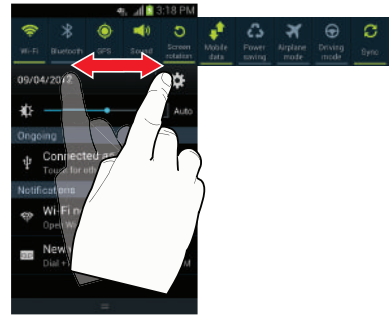


2. Tap the **Clear** button.

   The notifications are cleared and the panel closes.

Accessing Additional Panel Functions

In addition to notifications, this panel also provides quick and ready access to separate device functions. These can be quickly activated or deactivated by toggling them on or off.



The following functions can either be activated (green) or deactivated (gray): Wi-Fi, Bluetooth, GPS, Sound, Screen rotation, Mobile data, Power saving, Airplane mode, Driving mode, and Sync.

Memory Card

Your device lets you use a microSD™ (SD) or microSDHC™ card to expand available memory space. This secure digital card enables you to exchange images, music, and data between SD-compatible devices. This section addresses the features and options of your device's SD functionality. The device has a USB SD card mode.

Mounting the SD Card

To store additional photos, music, videos, and other applications, you must mount (install) the SD card prior to use. Mounting the SD card establishes a USB connection with your computer.

1. Insert the SD card into the external, SD card slot. For more information, refer to *"Removing and Installing the Memory Card"* on page 7.
2. Your SD card is scanned to see the available information on it.

Unmounting the SD card

Unmounting the SD card prevents corruption and damage to the SD card while removing it from the slot.

1. From the Home screen, tap ➔ **Settings** ➔ **Storage**.
2. Scroll to the bottom of the display and tap **Unmount SD card**.
3. Tap **OK**.

   For more information, refer to *"Removing and Installing the Memory Card"* on page 7.

SD card Available Memory Status

To view the memory allocation for your external SD card:

1. From the Home screen, tap ➔ **Settings** ➔ **Storage**.
2. The available memory for Device and SD card displays under the **Total space** and **Available space** headings.

Erasing Files from the SD card

You can erase files from the SD card using the phone.

1. Ensure the SD card is mounted. For more information, refer to *"Mounting the SD Card"* on page 40.
1. From the Home screen, tap ➔ **Settings** ➔ **Storage**.
2. Tap **Format SD card**.
3. At the **Format SD card** confirmation prompt, tap **Format SD card**.

Warning! Performing the next step erases all data stored on the SD card.

4. Tap **Delete all** to format or press to cancel.

Section 3: Call Functions

This section describes how to make or answer a call. It also includes the features and functionality associated with making or answering a call.

For more information, refer to *"Sound Settings"* on page 113.

Displaying Your Phone Number

- Tap → **Settings** → **About device** → **Status**. Your phone number is displayed in the **My phone number** field.

Making a Call

1. From the Home screen, tap and use the on-screen keypad to enter the number you wish to dial.
2. Tap to make the call.

Note: When you activate the **Auto redial** option in the Voice Call menu, the phone will automatically redial up to 10 times when the person does not answer the call or is already on the phone. For more information, refer to *"Call Settings"* on page 53.

Making an International Call

1. From the Home screen, tap , then touch and hold 0 +. The **+** character appears.
2. Use the on-screen keypad to enter the country code, area code, and phone number.
   - If you make a mistake, tap until the desired numbers have been deleted.
3. Tap to make the call.

Manual Pause Dialing

To manually call a number with pause(s) without storing it in your Contacts list:

1. From the Home screen, tap and use the on-screen keypad to enter the phone number.
2. Press to display the dialer sub-menu.
3. Tap **Add 3-sec pause** to add a three-second pause, and use the keypad to enter the additional numbers.

Tip: You can create pauses longer than 3 seconds by entering multiple 3 second pauses.

4. Select **Add wait** to add a wait. A wait will pause the calling sequence until you enter a number or press a key.
5. Tap to make the call.

For more information, refer to *"Adding Pauses to Contact Numbers"* on page 65.

Correcting an Entered Number

Use the following steps to correct a mis-typed entry when dialing.

- After entering a number using the keypad:
  - If you make a mistake, tap to erase a single character.
  - Press and hold to erase the entire string of numbers.

Ending a Call

- Tap the key.

Dialing a Recent Number

All incoming, outgoing and missed calls are recorded in the **Call log**. If the number or caller is listed in your Address Book, the associated name also displayed.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

A list of recent calls is displayed.

3. Tap the desired Contact to enter the **Details** page, then tap to make a call.

Making Emergency Calls

If you do not have a SIM card installed the first time you turn on the phone, the **Insert SIM card to make calls** message displays and an animated tutorial shows you how to install the SIM card.

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

Making an Emergency Call without a SIM card

1. Tap **Emergency call** from the on-screen display to make an emergency call.
2. Enter 9-1-1 and tap . Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.
3. Tap to exit this calling mode.

Making an Emergency Call with a SIM card

The Emergency calling mode makes redialing an emergency number a 1-tap process. Before you can resume normal calling operations, you should first exit this mode.

1. From the Home screen, tap .
2. Enter the emergency number (ex: 911) and then tap .
3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

Making a Call Using Speed Dial

You can assign a short cut number to a phone number in your Contacts List for speed dialing.

1. From the Home screen, tap **Contacts** to display your Contacts List.
2. Press to display the Contacts List sub-menu.
3. Tap **Speed dial setting**.
4. The **Speed dial setting** screen displays showing the numbers 1 through 100. The number 1 is reserved for Voicemail.
5. Tap an unused number and the **Select contact** screen displays.
6. Select a contact to assign to the number. The selected contact number will display in the speed dial number box.
7. To remove a speed dial number or change the order, press to display the Speed dial setting sub-menu.
8. Tap **Change order** or **Remove**.
9. To make a call using Speed Dial, tap → **Keypad** and from the Dialer, touch and hold the speed dial number.

Making a Call from the Address Book

You can store phone numbers that you use regularly on the SIM card or in the phone's memory. These entries are collectively called the **Address Book**.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 66.

Answering a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the Address Book.

1. At the incoming call screen:
   - Touch and drag in any direction to answer the call.
   - Touch and drag in any direction to reject the call and send it to your voicemail.
   - Touch and drag the **Reject call with message** tab upward and tap a predefined text message to send to the caller.
     - I'm driving
     - I'm at the cinema
     - I'm in class
     - I'm in a meeting
     - Sorry, I'm busy. Call back later.

   – or –

   - Tap **Create new message** to compose a new message.

2. Tap to end the call.

Note: You can answer a call while using the Address Book or other menu feature. After ending the call, the phone returns to the previously active function screen.

Dialing Options

From the Home screen and Application menus, you have the option to access the Dialer and initiate a call by tapping → **Keypad**. From the Dialer and the Contacts screen, the following tabs are located at the top of your screen:

- **Keypad**: dials the current number entered using the on-screen keypad.
- **Logs**: displays a list of all dialed, received, and missed calls.
- **Favorites**: displays your contacts that you have marked as Favorites.
- **Contacts**: takes you to your Address Book where you can select a contact to call.

After you begin to enter numbers, the **Add to Contacts** option appears so you can save the Contact if needed.

Call Log

The phone stores the numbers of the calls you've dialed, received, or missed in the Call log. The Call log displays the details of the call.

1. From the Home screen, tap .
2. Tap the **Logs** tab.

A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.

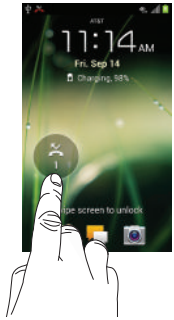
All calls made, received, and missed are listed. Types of calls are identified by the following icons:

- **Incoming Calls**:
- **Outgoing Calls**:
- **Missed Calls**:
- **Rejected Calls**:
- **Auto Rejected Calls**:

Viewing Missed Calls from the Lock Screen

The number of calls you have missed is displayed on the Home screen.

1. Touch the missed call icon with the number of missed calls on it and move it in any direction.



Note: If there is a voicemail sent by the same number, associated icons are displayed and can then be selected.

2. The Call log is displayed. Missed calls are identified by the icon next to the number.

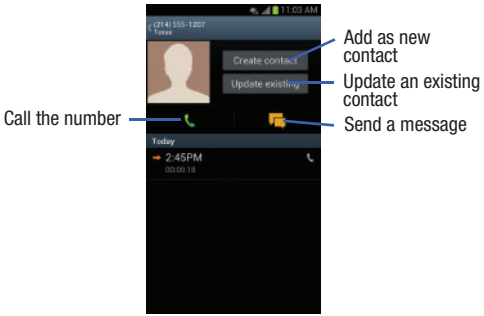
Calling Back a Missed Call

To call back a missed call number:

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed. If the number or caller is listed in your Address Book, the associated name is displayed.
2. Swipe the desired missed call to the right to call.
   – or –
   Swipe the desired missed call to the left to message.

Saving a Recent Call to your Address Book

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed.
2. Tap the call you want to save to your Address Book.
3. The call detail page is displayed. Tap **Create contact** to add the call to your Address Book.
   The Create contact screen is displayed.
   – or –
   If you want to replace the number for an existing contact, tap **Update existing**.



4. Enter information into the various fields using the keypad.
5. Tap **Save** to save when you are finished.

For further details about the **Address Book** feature, see *"Adding a New Contact"* on page 64.

Sending a Message to a Recent Call

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed.
2. Swipe the entry you want to message to the left.
3. At the Message screen, tap the empty text field and use the on-screen keypad to type in a message.
4. When you are done with your message, tap to send.
   For more information, refer to *"Creating and Sending Messages"* on page 92.

Deleting a Call from the Call Log

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed.
2. Touch and hold the call you want to delete from the Call log.
3. Tap **Delete**.
4. At the **Delete** prompt, tap **OK**.
   The call is deleted from the Call log.

Adding a Call to the Reject List

1. From the Home screen, tap → **Logs**.
   A list of recent calls is displayed.
2. Touch and hold the call you want to add to the Reject List.
3. Tap **Add to reject list**.

4. At the **Add to reject list** prompt, tap **OK**.

   Future calls from this number will be rejected and sent to your voicemail.

Call Duration

1. From the Home screen, tap → **Logs**.
2. Press → **Call duration**.
3. The following times are displayed for Voice and Data:
   - **Last call**: shows the length of time for the last call.
   - **Dialed calls**: shows the total length of time for all calls made.
   - **Received calls**: shows the total length of time for all calls received.
   - **All calls**: shows the total length of time for all calls made and received.
4. You may reset these times to zero by pressing then tapping **Reset**.

Options During a Call

Your phone provides a number of control functions that you can use during a call.

Adjusting the Call Volume

During a call, to adjust the earpiece volume, use the **Volume** keys on the left side of the phone.

- Press the **Up** volume key to increase the volume level and press the **Down** volume key to decrease the volume level.

From the Home screen, you can also adjust the ringer volume using these same keys.

In-Call Options

During an active call there are several functions available by tapping a corresponding on-screen button.

- **Hold**: place the current active call on hold.
- **Add call**: displays the dialer so you can call another person.
- **Keypad**: displays the on-screen keypad, where you can enter number using DTMF (Dual Tone Multi-Frequency).
- **End call**: terminates the call.
- **Speaker**: routes the phone's audio through either the speaker or through the earpiece.
  - Tap **Speaker** to route the audio through the speaker. (You can adjust the speaker volume using the volume keys.) A green line will appear under the Speaker button.

– Tap **Speaker** again to use the phone's earpiece (see *"Using the Speakerphone During an Active Call"* on page 52). The green line will disappear when Speaker is not activated.

- **Mute/Unmute** turn the onboard microphone either on or off.
  - Tap **Mute** during a call to mute the microphone. A green line will appear under the Mute button.
  - Tap **Mute** again to unmute the microphone. The green line will disappear when Mute is not activated.
- **Headset** connects to a Bluetooth headset.
  - Tap **Headset** during a call to activate a Bluetooth headset. A green line will appear under the Headset button.
  - Tap **Headset** again to de-activate the Bluetooth headset. The green line will disappear when the Headset is not activated.
- Press for more options:
  - **Contacts**: allows you to go to your Contact list.
  - **Memo**: allows you to jot down a memo during a call.
  - **Noise reduction On/Off**: allows you to turn on the Noise reduction feature when you are in a noisy area. Turn it Off when not needed to conserve battery power.

Placing a Call on Hold

You can place the current call on hold at any point during a conversation. You can also make another call while you have a call in progress if your network supports this service.

1. While on a call, tap **Hold** Hold. This action places the current caller on hold.
2. You can later reactivate this call by tapping **Unhold** Unhold.

To make a new call while you have a call in progress

1. Tap **Hold** Hold.
2. Tap **Add call** to display the dialer.
3. Enter the new number and tap .

   Once connected, the active call will appear in a large box at the top of your screen and the call on hold will appear in a smaller box in the middle of your screen.

Switching Between Calls

When you have an active call and a call on hold, you may switch between the two calls, changing the one on hold to active and placing the other on hold.

1. Tap **Swap**.

   The current call (caller #2) is placed on hold and the previous call on hold (caller #1) is then reactivated so that you can continue conversing with that person. The active call will appear in a green box.

2. Tap to end the currently active call.

To end a specific call

1. Tap **Swap** until the call you want to end appears in a green box.
2. Tap to end the specific call.
3. Tap to end the remaining call.

To answer a call while you have a call in progress

1. Tap and slide to the right to answer another call.
2. Tap **Putting "Number" on hold** to put the first call on hold.

   – or –

   Tap **Ending call with "Number"** to end the first call.

3. To switch between the two calls, tap **Swap**.
   - **Swap**: Places the current call on hold and then activates the previous call. The active call will appear in a green box. Tap **Swap** again to switch back.

To end a call on hold

1. Tap to disconnect the active call.
2. The call on hold will now become the active call. Tap to end the call.

3-Way Calling (Multi-Party Calling)

The 3-Way or Multi-Party feature allows you to answer a series of incoming calls and place them on hold. If this service is supported by the network, all calls can be joined together. You are notified of an incoming call by a call waiting tone.

Note: The **Merge** option combines all of the calls you have established with your phone (both active and on hold). **Swap** places the current call on hold and then activates the previous call.

This feature joins all of the calls you have established with your phone (both active and on hold) into a multi-party call.

1. Tap and slide to the right to answer the call.
2. Tap and slide to the right to answer the next call.
3. Tap **Putting "Number" on hold** to put the first call on hold.
4. Join the first two callers into a single multi-party call by tapping **Merge** Merge.
5. To temporarily leave the conference call, tap **Hold** Hold.

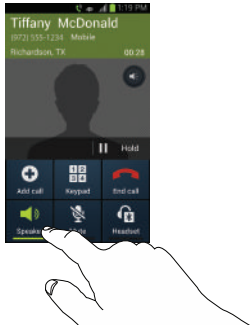
   To rejoin the conference call tap **Unhold** Unhold.
6. Tap End call to end the call.

Using the Speakerphone During an Active Call

While in an active call, it is possible to enable the speakerphone feature.

1. Tap **Speaker** Speaker.

   The **Speaker** button now appears as Speaker and the speakerphone is activated.



2. Use the **Volume** keys (located on the left side of your phone) to adjust the volume.
3. To deactivate the speakerphone, tap **Speaker** Speaker.

Important! For more information, see *"Responsible Listening"* on page 190.

Switching off the Microphone (Mute)

You can temporarily switch your phone's microphone off, so that the other person cannot hear you.

Example: You wish to say something to person in the room, but do not want the person on the phone to hear you.

To mute your phone during a call

1. Tap **Mute** .
   The **Mute** button now appears as and Mute is activated.
2. Tap **Mute** to deactivate the Mute function and reactivate the microphone.

Bluetooth headset

1. Tap **Headset** .
2. The phone will scan for your Bluetooth headset. When found, connect to the headset.
   The **Headset** button now appears as and the Bluetooth headset is activated.
3. Tap **Headset** to deactivate the Bluetooth headset and reactivate the phone speaker.

Searching for a Number in Address Book

1. During the active call, press then tap **Contacts**.
2. Tap the Address Book entry.

For further details about the **Address Book** feature, see *"Finding an Address Book Entry"* on page 66.

Call Waiting

The Call Waiting feature allows you to answer an incoming call while you have a call in progress, if this service is supported by the network, and you must first activate the Call Waiting feature:

- From the Home screen, tap → → **Call settings** → **Additional settings** →**Call waiting**.
  You are notified of an incoming call by a call waiting tone.

Call Settings

To access the Call settings menu:

- From the Home screen, tap → → **Call settings**.

Call rejection

1. From the Call settings screen, tap **Call rejection**.
2. Tap the **OFF / ON** icon to turn Auto reject mode on

.
3. Tap **Auto reject mode** and tap one of the following options:
   - **All numbers**: to reject all calls.
   - **Auto reject numbers**: to reject all calls in your Reject list.
4. Tap **Auto reject list**.
5. Tap to manually add numbers to the Reject list.
6. Tap **Unknown**, to create a checkmark and automatically reject all calls that are not in your Contacts list.

Set reject messages

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Set reject messages**.
2. Tap to manually add a reject message.

   – or –

   Tap one of the pre-written messages to be displayed when you want the call to be rejected. You can edit the message if desired.
3. Tap **Save** to save the reject message.

Call alert

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Call alert**.
2. Tap **Call vibrations** to enable your phone to vibrate when the called party answers the phone.
3. Tap **Call status tones** to set the sound settings during a call then tap **OK**.
4. Tap **Alerts on call** to turn off alarm and message notifications during a call.

Call answering/ending

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Call answering/ending**.
2. The following options are available:
   - **Answering key**: Tap this option to be able to accept incoming calls by pressing the Home key.
   - **The power key ends calls**: This option will allow you to end a call by pressing the power key without turning off the screen.

Auto screen off during calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Auto screen off during calls** to create a checkmark and enable the feature.

Accessory settings for call

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Accessory settings for call**.
2. The following options are available:
   - **Automatic answering**: configures the device to automatically answer and incoming call when a headset is detected.
   - **Automatic answering timer**: configures the time delay before the device automatically accepts the incoming call.
   - **Outgoing call conditions**: allows you to make calls even when the device is locked.

Use extra vol. for calls

This option allows you to see an extra volume button on the screen during calls.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Use extra vol. for calls** to create a checkmark and enable the feature.

Increase volume in pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

- From the Home screen, tap ➔ ➔ **Call settings** ➔ **Increase volume in pocket** to create a checkmark and enable the feature.

Call forwarding

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Call forwarding** ➔ **Voice call**.
2. Tap one of the following options:
   - **Always forward**: allows you to forward all voice calls.
   - **Forward when busy** allows you to forward voice calls to a designated number instead of your voice mail number if you are on another phone call.

- **Forward when unanswered**: allows you to forward voice calls to a designated number instead of your voicemail number when there is no answer on your phone. You can also select the amount of time that the phone delays before forwarding.
- **Forward when unreachable**: allows you to forward voice calls to a designated number instead of your voicemail number when you are not in an area covered by your service provider or when your phone is switched off.

Additional settings

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Additional settings**.
2. Tap one of the following options:
   - **Caller ID**: allows you to choose how your Caller ID will be displayed. Select Network default, Hide number, or Show number.
   - **Call waiting**: the network service informs you when someone is trying to reach you during another call. Tap to activate.
   - **Auto redial**: automatically redials the last number if the call was either cut off or was unable to connect. Tap to activate.
   - **Noise reduction**: allows you to suppress background noise from your side during calls.
   - **Fixed dialing numbers**: allows you to restrict outgoing calls to a limited set of phone numbers.
   - **Auto area code**: allows you to automatically prepend a specific area code to all outbound calls.

Using Fixed Dialing Numbers

Enabling FDN

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **Additional settings** ➔ **Fixed dialing numbers**.
2. Tap **Enable FDN**.
3. At the prompt, enter your PIN2 code and tap **OK**.
   FDN is enabled.
4. To enable FDN after it has been disabled, tap **Disable FDN**, enter your PIN2 code and tap **OK**.

Important! Not all SIM cards use a PIN2 code. If your SIM card does not, this menu does not display.
The PIN2 code is provided by your carrier. Entering an incorrect PIN2 code could cause the phone to lock. Contact customer service for assistance.

Changing the PIN2 Code

1. From the Home screen, tap → → **Call settings** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **Change PIN2**.
3. At the prompt, enter your old PIN2 code.
4. At the prompt, enter a new PIN2 code.
5. Confirm your PIN2 code.

Managing the FDN List

When this feature is enabled, you can make calls only to phone numbers stored in the FDN list on the SIM card.

Note: Before you can manage an FDN list a list must be created.

---

1. From the Home screen, tap → → **Call settings** → **Additional settings** → **Fixed dialing numbers**.
2. Tap **FDN list**.
3. A list of all existing FDN numbers will be displayed.

Voicemail service

1. From the Home screen, tap → → **Call settings** → **Voicemail Service**.

   Voicemail service provided by your carrier is the default.
2. Tap **My carrier** to remove the carrier Voicemail service.

Voicemail settings

You can view or modify your voicemail number from this menu.

1. From the Home screen, tap → → **Call settings** → **Voicemail settings**.
2. Tap the **Voice mail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.
3. Tap **OK**.

Vibrate

This option allows you select vibration settings.

1. From the Home screen, tap → → **Call settings** → **Vibrate**.
2. Tap **Always**, **Only in silent mode**, or **Never**.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. From the Home screen, tap ➔ ➔ **Call settings** ➔ **TTY mode**.
2. Tap **TTY Full**, **TTY HCO**, or **TTY VCO**. A green checkmark will appear. Tap **TTY Off** to turn it off.

Hearing aids

This option allows you to turn on Hearing aid compatibility on your device.

1. From the Home screen, tap ➔ ➔ **Call settings**.
2. Tap **Hearing aids** to create a checkmark and make your device compatible with a Hearing aid.

Section 4: Entering Text

This section describes how to select the desired text input method when entering characters into your phone. This section also describes the predictive text entry system that reduces the amount of key strokes associated with entering text.

Your phone comes equipped with an orientation detector that can tell if the phone is being held in an upright (Portrait) or sideways (Landscape) orientation. This is useful when entering text.

Text Input Methods

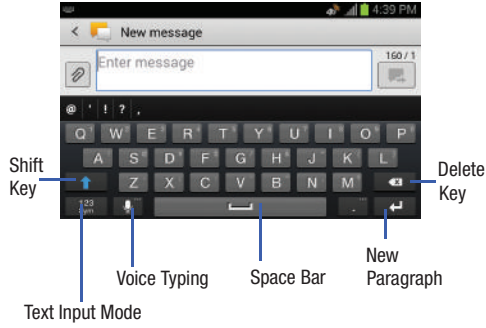
There are two text input methods available:

- **Samsung keyboard (default)**: Samsung's on-screen QWERTY keypad that can be used in both portrait and landscape orientation.
- **Google Voice typing**: allows you to enter text by speaking.

To change the input method, see *"Keyboards and Input Methods"* on page 125.

Entering Text Using the Samsung Keyboard

From a screen where you can enter text, rotate your phone counterclockwise to a Landscape orientation. The on-screen QWERTY keypad will display.



Changing the Text Input Mode - Keypad

There are two main keypad layout keys that will change the on-screen keys within the QWERTY keypad.

The available Text Input modes are: **Sym** and **Abc**.

123 Sym

Symbol/Numeric Mode: activates the number, symbol, and emoticon keys.

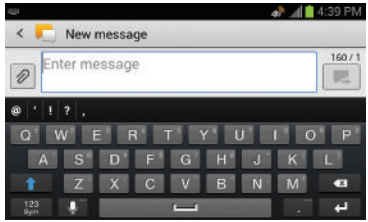
ABC

ABC Mode: activates the default alphabet keys. Can also be set to **Abc** or **abc** by using the shift (⬆) key.

Note: When in **Abc** mode, the **Sym** button will appear. When in **Sym** mode, the **Abc**/**ABC**/**abc** button will appear.

Using ABC Mode

1. If desired, rotate your phone counterclockwise to a Landscape orientation.
2. When you tap the **Enter message** field, the following screen displays:

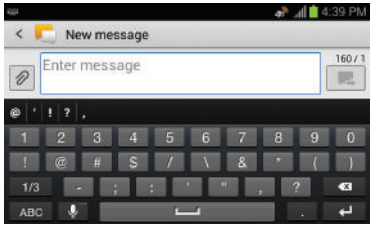


3. Tap the desired alphabetic characters.
4. The screen initially opens in ABC mode. After typing the first letter, the shift key (⬆) will change to ⬆ and following letters will be lowercase.
5. Tap ⬆ to input another upper-case letter or tap ⬆ twice to switch to ABC mode. The shift key will change to ⬆ in ABC mode. All following letters will be uppercase until you tap the shift key again.

Using Symbol/Numeric Mode

Use Symbol/Numeric Mode to add numbers, symbols, or emoticons.

1. Rotate your phone counterclockwise to a Landscape orientation.
2. Tap 123 Sym at the bottom of the screen. The following screen displays:

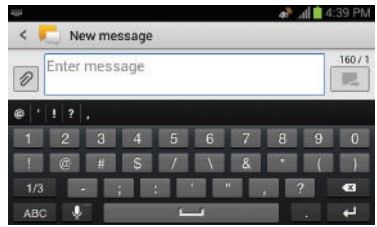


3. Tap the desired number, symbol, or emoticon characters.
4. Tap the 1/3 button to access additional symbols.
5. Tap ABC to return to Abc mode.

Predictive Text

By using the Predictive Text option, you can have next-letter prediction and regional error correction, which compensates for pressing the wrong keys on the QWERTY keyboard.

1. To turn Predictive Text on or off, tap → **Settings** → **Language and input**.
2. Tap the icon next to **Samsung keyboard**.
3. Tap the ON/OFF slider, located to the right of the **Predictive text** field, to ON or OFF.
4. In the text portion of the message screen, begin typing a word. A list of word options is displayed. Tap one of the words to replace the word that has already been typed or scroll the line of words to the left for more word choices.



5. Continue typing your message. Tap to send the message or press for more options. For more information, refer to *"Creating and Sending Messages"* on page 92.

Note: You can also use Predictive Text mode in the portrait orientation.

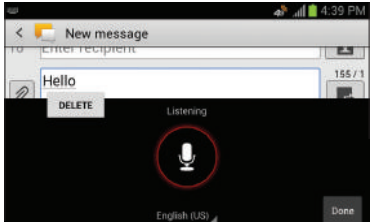
Samsung Keyboard Settings

For information on how you can configure your Samsung keyboard settings, see *"Samsung Keyboard settings"* on page 125.

Using the Google Voice Typing Feature

You can use your voice to enter text using the Google Voice typing feature.

1. From the keypad, touch the top of the screen and drag it down to display your notification panel.
2. Tap **Select input method**.
3. Tap **Google voice typing**.



4. At the **Listening** prompt, speak clearly and distinctly into the microphone.
5. The text is displayed in the message as you are speaking.
6. Tap **Done** when you are finished.

Note: The feature works best when you break your message down into smaller segments.

Section 5: Contacts and Your Address Book

This section allows you to manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

AT&T Address Book Activation

When you access the AT&T Address Book, the network backup service, contacts are automatically synchronized between your phone and online address book. The changes you make are automatically saved and if you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone.

To activate the AT&T Address Book:

1. From the Home screen, tap **Contacts** .
   Your Address Book is displayed.
2. If you have not synchronized your phone with your online AT&T Address Book recently, the **AT&T Address Book** screen is displayed. Tap **Yes** if you want to synchronize your Address Book.
3. Follow the on-screen instructions.

Your AT&T Address Book is Ready to Use. You can now make a call or send a message through your Address Book.

You can also manage your Address Book on the web at http://www.att.com/addressbook.

Synchronizing your AT&T Address Book

If you ever upgrade, damage, or lose your phone, you can easily restore your contacts onto your new phone by following these steps:

1. From the Home screen, tap **Contacts** .
2. Press → **Settings** → **AT&T Address Book**.
3. At the AT&T Address Book screen, tap **Yes** to synchronize your phone with your online Address Book.
4. If there are existing contacts on your phone, you will be prompted if you would like to remove them first. Tap **Yes** or **No**.
   Your phone is synchronized.

Note: You must first copy any contacts that exist on your SIM card to your phone. For more information, refer to *"Copying Contacts to the Phone"* on page 74.

5. At the **Your AT&T Address Book is Ready for Use** prompt, tap **OK**.

   Your Contact list is displayed.

Adding a New Contact

Use the following procedure to add a new contact to your Address Book.

Saving a Number from the Home screen

1. From the Home screen, tap **Contacts** ➔ .
2. At the **Save contact to** prompt, tap **SIM**, **Phone**, or Account name.
3. Tap the image icon and assign a picture to the new entry by choosing one of three options:
   - **Picture**: retrieve a previously stored image from your Gallery or from your My files folder and assign it to this entry. Tap an image to assign the image to the contact, then tap **Done**.
   - **Take picture**: use the camera to take a new picture and assign it to this entry, then tap **Done**.
   - **Remove**: although not an option with a new entry, deletes any previously assigned image on an existing contact.
4. Tap the **Name** field and use the on-screen keypad to enter the full name. For more information, refer to *"Entering Text"* on page 59.

   – or –

   Tap next to the **Name** field to display additional name fields.
5. Tap the **Phone number** field.

   The numerical keypad is displayed.

   The **Mobile** button Mobile initially displays next to the **Phone number** field. If you want to add a phone number that is not a mobile number, tap the **Mobile** button and select from Mobile, Home, Work, Work fax, Home Fax, Pager, Other, Custom (add your own label), or Callback.
6. Enter the phone number.

   Tap to add another Phone number field or tap to delete a field.
7. Tap the **Email address** field.

   The keypad is displayed.

The **Home** button initially displays next to the **Email address** field. If you want to add an Email address that is not a Home email address, tap the **Home** button and select from Home, Work, Other, or Custom (add your own label).

8. Enter the Email address.
   Tap to add another Email address field or tap to delete a field.
9. Tap the **Address** field.
   The keypad is displayed.
   The **Home** button initially displays next to the **Address** field. If you want to add an address that is not a Home address, tap the **Home** button and select from Home, Work, Other, or Custom (add your own label).
10. Enter the address.
    Tap to add another address field or tap to delete a field.
11. Tap any of the following fields that you want to add to your new contact:
    - **Events**: tap to add a Birthday, Anniversary, Other, or Custom.
    - **Groups**: assign the contact to Not assigned, ICE - emergency contacts, Co-workers, Family, or Friends.
    - **Ringtone**: adds a field used to assign a message tone that will sound when messages are received from this contact. Choose between Default, Ringtones, or Go to My files.
    - **Vibration pattern**: allows you to set the specific type of vibration.
    - **Add another field**: tap this button to add another field such as Phonetic name, Organization, IM, Notes, Nickname, Website, Internet call, or Relationship.
12. Tap **Save** to save the new contact.

Adding Pauses to Contact Numbers

When you call automated systems, you are often required to enter a password or account number. Instead of manually entering the numbers each time, you can store the numbers in your Contacts along with special characters called pauses and waits. A pause will stop the calling sequence for two seconds and a wait will pause the calling sequence until you enter a number or press a key.

To add a pause or a wait to a Contact:

1. From the Home screen, tap **Contacts**, and then tap the name or number to open the Contact.
2. Tap to edit.
3. Tap the phone number field.
4. Tap the screen at the position where the pause or wait needs to be added.
5. Tap Sym.
6. Tap **Pause** to add a two-second pause or tap **Wait** to add a wait, and use the keypad to enter the additional numbers. A pause will be displayed as a comma (,) and a wait will be displayed as a semi-colon (;).
7. Tap **Save** to save your changes, or tap **Cancel** to discard.

Editing an Existing Contact

When editing an existing contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From the Home screen, tap **Contacts**.
2. Press and hold the Contact that you want to edit.
3. Tap **Edit**.
4. Tap any of the fields to add, change, or delete information.
5. Tap **Save** to save the edited information.

Using Contacts

Dialing or Messaging from Address Book

Once you have stored phone numbers in the Address Book, you can dial them easily and quickly by either using their SIM card location number or by using the Search field to locate the entry.

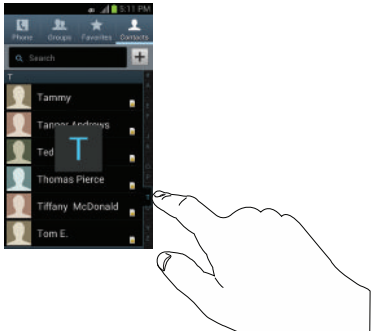
From the Address book, you can also send messages.

Finding an Address Book Entry

You can store phone numbers and their corresponding names onto your SIM card and phone's onboard memory. The two locations are physically separate but are used as a single entity, called the Address Book.

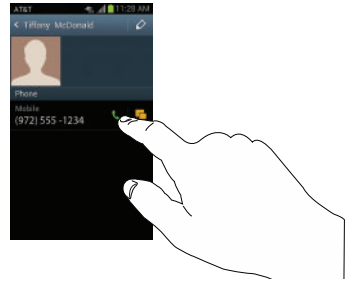
Depending on your particular SIM card, the maximum number of phone numbers the SIM card can store and how they are stored may differ.

1. From the Home screen, tap **Contacts**.
2. Within the Contacts list (sorted alphabetically), tap a letter on the right side of the display to quickly jump to the contacts beginning with that letter.



3. Tap the contact you wish to call or message.

4. Tap the phone icon to make a phone call or tap the message icon to send a message.



For more information, refer to *"Creating and Sending Messages"* on page 92.

Tip: From the Contact list, sweep right over a listing to make a call. Sweep left over a listing to send a message.

Joining Contacts

Joining Contact Information

Many people now maintain multiple email accounts, social networking logins, and other similar account information. For example, a Facebook account login name might differ from a corporate email account login because they are maintained separately and for different groups of people.

This device can synchronize with multiple accounts such as Facebook, Twitter, MySpace, Corporate email, and Google. When you synchronize your phone with these accounts, each account creates a separate contact entry in the Contacts list.

If one of your contacts (Amy Smith, for example) has a regular email account that you maintain in Gmail, but also has a Facebook account under her maiden and married name, as well as a Yahoo! chat account, when you merge these accounts into your Contacts list you can join all of her entries and view the information in one record.

The next time you synchronize your phone with your accounts, any updates that contacts make to email account names, email addresses, etc. automatically update in your contacts list.

For more information about synchronizing accounts, see *"Synchronizing Accounts"* on page 69.

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the name you want to join to another entry). **Note**: typically this is the same contact with a different name or account information.
3. Press → **Join contact**.

   The contact list is displayed.
4. Tap the second contact entry (the entry in which to join). The second contact is now joined with the first and the account information is merged into one screen.

Note: The information is still maintained in both entries, but displays in one record for easier viewing when you join the contacts.

---

5. Tap the **Connection** bar to view the contact information you joined. The contacts and information displays with an icon next to the contact name to indicate what type of account information is contained in the entry.

Unjoining a Contact

1. From the Home screen, tap **Contacts** .
2. Tap a contact name (the account name from which you want to unlink an entry). **Note**: typically this is the same contact with a different name or account information.
3. Tap the **Connection** bar.
4. Tap the minus sign next to entry in which you want to unjoin. The contact is now separated and no longer displays in the merged record screen.

Marking a Contact as Default

When you use messaging type applications, the application needs to know which information is primary (default) in a contact entry list. For example, you may have three different contact records for John Smith, so the application will be looking for the “default” number or entry.

1. From the Home screen, tap **Contacts** .
2. Tap a Contact name.
3. Press ➔ **Mark as default**. The Mark as default screen displays radio buttons next to the contact names or phone numbers of all the linked contacts. The radio button next to the default contact will be green.
4. To change the default contact, tap the radio button next to another entry that you want to be the default. The radio button will turn green, then tap **Done**.

Synchronizing Accounts

From the Accounts menu you decide if you want applications to synchronize, send, and receive data at any given time, or if you want the applications to synchronize automatically. After determining how you want the accounts to synchronize, indicate which account to synchronize with your Contacts list.

1. From the Home screen, tap **Contacts** .
2. Press then tap **Accounts**.
3. Tap the ON/OFF slider, located to the right of the **Accounts and sync** field, to turn sync ON ON .

4. Tap **Sync all** to synchronize all accounts.

   – or –

   Tap next to the account you want to sync, then tap **Sync Now**.

   The accounts are synchronized.

Address Book Options

You can access Address Book options while at the main Address Book page or while in the details page for a specific entry.

Options in Address Book

1. From the Home screen, tap **Contacts** then press .
2. The following options are displayed:
   - **Delete:** allows you to delete 1 or more of your contacts.
   - **SIM Management**: allows you to copy contacts from your phone to your SIM card or from your SIM card to your phone. You can also delete contacts from your SIM.
   - **Import/Export**: allows you to move contacts to or from your memory card or USB storage. You can also send a namecard via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Merge with Samsung account**: allows you to merge your contacts together with your Samsung account contacts.
   - **Merge with Google**: allows you to merge your contacts together with your Google account contacts.
   - **Accounts**: allows you to add and manage your Samsung, ChatON, Google, LDAP (Lightweight Directory Access Protocol), and Microsoft Exchange ActiveSync accounts. Tap Add account and then follow the on-screen instructions.
   - **Speed dial setting**: allows you to set up speed-dialing. For more information, refer to *"Making a Call Using Speed Dial"* on page 44.
   - **Send email**: allows you to send an email using your Google account.
   - **Send message**: allows you to send a text or picture message.
   - **Contacts to display**: You can choose to display all of your contacts or only display contacts on your Phone, SIM, or contacts stored to other accounts. You can also tap Customized list to change other options on how your contacts are displayed.
   - **Settings**: allows you to choose set the following options:
     – **Only contacts with phones**: allows you to only display contacts that have phone numbers.

– **List by**: allows you to sort by First name or Last name.
– **Display contacts by**: allows you to sort by First name or Last name first.
– **Service numbers**: allows you to display or edit your service numbers.
– **Contact sharing settings**: allows you to set up how to send contacts via Bluetooth in the form of namecards.
– **AT&T Address Book**: allows you to access the AT&T Address Book so you can sync your contacts.

Options at Selected Contact Screen

1. From the Home screen, tap **Contacts** .
2. Tap a contact and at the contact's display screen, press .
3. The following options are displayed:
   - **History**: allows you to view the phone and message history for the contact.
   - **Edit**: allows you to edit the contact's information.
   - **Delete**: allows you to delete the contact from your Address Book.
   - **Join contact**: allows you to join contacts with other contacts (only displays when contact is saved to SIM).
   - **Separate contact**: allows you to separate contacts that have been joined.
   - **Mark as default**: when you have multiple contacts linked together, you can mark one of them as default (only displays when contact is saved to the phone). For more information, refer to *"Marking a Contact as Default"* on page 69.
   - **Share namecard via**: allows you to send the contact's information via Bluetooth, ChatON, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Add to/Remove from reject list**: allows you to add or remove the contact from your reject list. If they call while being on the reject list, the call will be sent directly to voice mail.
   - **Print contact info**: allows you to print the contact's namecard to a Samsung printer using Wi-Fi.

Groups

Adding a Contact to a Group

1. From the Home screen, tap **Contacts** .
2. Press and hold a contact that you would like to add to a group.
3. Tap **Add to group**.
4. Tap a group entry.

5. Tap **Done**.

   The contact is added to the group.

Removing a Contact From a Group

1. From the Home screen, tap **Contacts** → **Groups** .
2. Tap a group entry.
3. Press → **Remove member**.
4. Tap all of the contacts you want to remove from this group. A green checkmark will appear next to their name.
5. Tap **Done**.

   The contacts are now removed from the group.

Creating a New Group

1. From the Home screen, tap **Contacts** → **Groups** → → **Create**.
2. Tap the **Group name** field and use the on-screen keypad to enter a new group name. For more information, refer to *"Entering Text"* on page 59.
3. Tap **Group ringtone** to choose an audio file for assignment to this new group. Choose from **Default**, **Ringtones**, or **Go to My files**.
4. Tap **Vibration pattern** to choose an audio file for assignment to this new group.
5. Tap **Add member** to add contacts to the new group.
6. Tap each contact you want to add to create a checkmark. You can also tap **Select all**.
7. Tap **Done**.
8. Tap **Save** to save the new Group category.

Editing a Caller Group

To edit a Group entry, there must be at least one member as part of the selected group.

1. From the Home screen, tap **Contacts** → **Groups** .
2. Tap a group entry.
3. Press → **Edit**.
4. Make modifications to the **Group name**, **Group ringtone**, or **Vibration pattern** fields.
5. Tap **Add member** to add more contacts to this group.
6. Tap **Done**.

7. Tap **Save** to save the edited Group category.

Address Book Favorites

Once you have stored phone numbers in the Address Book, you can add them to your Favorites list.

To view your Favorites list:

- From the Home screen, tap **Contacts** → **Favorites** .

Adding Favorites to your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to add to your favorites list.
3. Tap **Add to favorites** on the displayed list.
4. A gold star will appear next to the contact in the Address Book.

Removing Favorites from your Address Book

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to remove from your favorites list. Contacts in your Favorites list will have a gold star.
3. Tap **Remove from favorites** on the displayed list.
4. The gold star will no longer appear next to the contact in the Address Book.

Managing Address Book Contacts

You can copy, delete, and view the memory status for the Phone and SIM contacts on your phone.

Copying Contacts to the SIM Card

Note: When storing an Address Book entry into the SIM card, only the name, phone number, and email address are available as fields. Also, if you move the SIM card to another phone that does not support additional fields on the SIM card, this additional information may not be available.

1. From the Home screen, tap **Contacts** → → **SIM Management**.
2. Tap **Copy Contacts to SIM**.

   The phone then displays a list of your current phone contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to the SIM card.

- Repeat this step for all individual entries you wish copied to the SIM or tap **Select all** to place a checkmark alongside all entries.

4. Tap **Done** to copy.
5. At the **Copy to SIM** display, tap **OK**.

   The selected numbers are copied to the SIM card.

Copying Contacts to the Phone

1. From the Home screen, tap **Contacts** → → **SIM Management**.
2. Tap **Copy Contacts from SIM**.
3. At the **Create contact under account** prompt, tap on **Phone** or an account name that you would like to copy the contact to.

   The phone then displays a list of your current contacts stored on your SIM card.
4. Tap the contacts to place a checkmark adjacent to those entries you wish to have copied to your phone.
   - Repeat this step for all individual entries you wish copied to your phone or tap **Select all** to place a checkmark alongside all entries.
5. Tap **Done** to copy.

   The selected numbers are copied.

Deleting Contacts from the SIM card

1. From the Home screen, tap **Contacts** → → **SIM Management**.
2. Tap **Delete Contacts from SIM**.

   The phone then displays a list of your current SIM contacts.
3. Tap the contacts to place a checkmark adjacent to those entries you wish to have deleted from the SIM card.
   - Repeat this step for all individual entries you wish copied to the SIM or tap **Select all** to place a checkmark alongside all entries.
4. Tap **Delete**.
5. At the **Delete Contacts from SIM** prompt, tap **OK**.

   The selected numbers are deleted from the SIM card.

Deleting Address Book Entries from the Phone

You can delete Phone or SIM entries from your phone's memory.

1. From the Home screen, tap **Contacts** .
2. Within the Contacts list, touch and hold a contact that you want to delete.
3. Tap **Delete** on the displayed list.
4. At the **Delete** prompt, tap **OK** to delete the contact or **Cancel** to exit.

Using the Service Dialing Numbers

You can view the list of Service Dialing Numbers (SDN) assigned by your service provider. These numbers may include emergency numbers, customer service numbers, and directory inquiries.

1. From the Home screen, tap **Contacts** → → **Settings**.
2. Tap **Service numbers**.
3. Scroll through the available numbers (if available).
4. Tap a number and the call is made.

Note: This menu is available only when your SIM card supports Service Dialing Numbers.

Section 6: Multimedia

This section explains how to use the multimedia features of your phone, including AT&T Locker, Live TV, Media Hub, Music Player, Google Play Music, Video Player, Play Movies & TV, Gallery, Camera, and Camcorder.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud.

1. From the Home screen, tap ➔ **AT&T Locker** .
2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

   The Play Store is displayed.
3. The first time you sign in, the Play Store Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap **Update**.
5. Tap **Accept & download**.

   AT&T Locker will be downloaded to your device.
6. At the AT&T Locker homescreen, tap **Sign Me Up!** to create an account or tap **Sign In** if you already have an account.
7. Follow the on-screen instructions to use AT&T Locker.

Live TV

Live TV is a subscription service that allows you to watch your favorite TV shows using your handset.

1. Tap ➔ **Live TV** .

Note: The first time you use Live TV, you will need to download the application from the Market. For more information, refer to *"Play Store"* on page 171.

2. Read the **Terms and Conditions** and tap **Accept** to continue or **Exit** to exit.
3. When the **Activate Device** screen displays, tap **Activate**.
4. A text message is sent to your device with an activation link. Go to your inbox and tap on the activation link to activate your device.
5. The AT&T U-verse Live TV website is displayed.

6. Tap **Launch Application**.
7. At the **Complete action using** display, tap **Live TV**.
8. When the **Activation in Progress** screen displays, tap **Complete Activation** to activate your device.

   The **Success!** screen in displayed.
9. Tap **Continue**.

Note: Live TV will use a large amount of data and you are responsible for all data charges. It is strongly recommended that you upgrade to a large data plan in addition to this purchase.

10. The Live TV main page displays. Follow the on-screen instructions to watch TV.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. With hundreds of titles available at your fingertips, entertaining yourself or your kids on the go has never been easier. You can rent or purchase your favorite content and watch from the convenience of anywhere.

Featuring the stunning viewing quality Samsung is known for, Samsung Media Hub is your gateway to mobile video like you've never experienced it before.

Note: Media Hub usage is based on service availability.

Using Media Hub

1. From the Home screen, tap → **Settings** → **Security** → **Unknown sources** to create a checkmark and allow the Samsung app to run.
2. At the warning prompt, tap **OK**.
3. Tap **Home** → → **Media Hub** .
4. Read the **Terms and Conditions** screen and tap the **I agree to the Terms and Conditions** checkbox.
5. Tap **Accept** to continue or **Decline** to exit.

   The Media Hub screen displays.
6. At the Media Hub screen, **What's New** is displayed with recently added media that you can rent or purchase.
7. The following tabs are displayed at the top of the screen:
   - **Home**: displays the Media Hub main screen.

- **Movies**: displays movies that are available for rent or purchase. Scroll through the top navigation bar and select a movie category. The movies of that type will be displayed below.
- **TV Shows**: displays TV shows that are available for purchase. Scroll through the top navigation bar and select a TV category. The TV shows of that type will be displayed below.
- **My Media**: allows you to view all of the media that you have purchased or rented. Tap a media entry to view it.

8. Scroll through the media listings and tap on an item you would like to purchase or rent.
9. At the Details screen, follow the on-screen instructions to create a Samsung account and make a purchase.
10. The media will be stored in the My Media folder.

Media Hub Notices

- Any media item (Media Content) may be rented or purchased after you create an account in Media Hub.
- Media Content that is downloaded may be viewed concurrently on up to five (5) devices with Media Hub that are also registered to the same account.
- You may choose to remove a device from your account no more than once every 90 days.
- You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content at a later point in time subject to content re-download availability and studio permissions.
- You MUST be in network coverage to license Media Content you have acquired through the Service.
- You can use 3G, 4G, or Wi-Fi connectivity in order to download Media Content.
- Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account.
- Media Content is downloaded and saved onto the SD card.
- Your Media Content may pause/stop or not download in networks where there is a weak signal.
- You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.
- You must finish watching rented Media Content within 24 consecutive hours of start of playback.
    - Stopping, pausing or restarting rented Media Content does not extend the available viewing time.

- In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

- You cannot play any media content downloaded from Media Hub through any output on your mobile phone, including All Share.

Music Player

The Music Player is an application that can play music files. The Music Player supports files with extensions AAC, AAC+, eAAC+, MP3, WMA, 3GP, MP4, and M4A. Launching the Music Player allows you to navigate through your music library, play songs, and create playlists (music files bigger than 300 KB are displayed).

Playing Music

1. Tap ➔ **Music Player** .
2. Tap a library category at the top of the screen (All, Playlists, Albums, Artists, Music square, or Folders) to view the available music files.
3. Scroll through the list of songs and tap an entry to begin playback.
4. The following Music Player controls are available:

Pause the song.

Start the song after being paused.

Press and hold to rewind the song. Tap to go to previous song.

Press and hold to fast-forward the song. Tap to go to next song.

Volume control.

Repeat one: repeats the currently playing song.

Repeat all: replays the current list when the list ends.

Play All: plays the current song list once.

Shuffle On: the current list of songs are randomly shuffled for playback.

Shuffle Off: songs play in order and are not shuffled.

Provides access to the Music square.

Lists the current playlist songs.

Displays the current song in the player window.

Provides access to the SoundAlive feature.

Music Player Options

To access additional options, follow these steps:

1. While in the Music Player, press .
2. The follow options are available:
   - **Add to quick list**: adds the current music file to the Quick list.
   - **Via Bluetooth**: scans for devices and pairs with a Bluetooth headset.
   - **Share music via**: allows you to share your music by using Bluetooth, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Add to playlist:** allows you to add the current music file to a selected playlist.
   - **Details**: allows you to view media info such as Artist, Title, Biography, and other information.
   - **Set as:** allows you to set a music file to Phone ringtone, Caller ringtone, or Alarm tone.
   - **Settings**: allows you to change your Music Player settings. For more information, refer to *"Music Player Settings"* on page 80.
   - **End**: allows you to end the Music Player app.

Music Player Settings

The Music Player Settings menu allows you to set preferences for the Music Player such as whether you want the music to play in the background, sound effects, and how the music menu displays.

1. From the Home screen, tap ➔ **Music Player** .
2. Press ➔ **Settings**.
3. Select one of the following settings:
   - **SoundAlive**: set a type of equalization such as Normal, Pop, Rock, Jazz, Dance, Classic, etc.
   - **Play speed**: set the play speed anywhere between 0.5X and 2.0X using the slider.
   - **Music menu**: this menu allows you to select which categories you want to display. Choices are: Albums, Artists, Genres, Music square, Folders, Composers, Years, Most played, Recently played, or Recently added. Tap each item that you want to display in the Music menu.

- **Lyrics**: when activated, the lyrics of the song are displayed if available.
- **Music auto off**: when activated, music will automatically turn off after a set interval.

Using Playlists

Playlists are used to assign songs to a list of preferred media which can then be grouped into a list for later playback. These Playlists can be created via either the handset's Music Player options menu or from within a 3rd party music application (such as Windows Media Player) and then downloaded to the handset.

Creating a Playlist

1. From the Home screen, tap ➔ **Music Player** .
2. Tap the **Playlists** tab.
3. Press ➔ **Create playlist**.
4. Type a name for this playlist in the field and tap **OK**.

Adding Music to a Playlist

To add files to the playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to add music.
4. Tap **Add music**.
5. Tap a music file, or tap **Select all** to add all the music tracks to this playlist then tap **Done**.

Removing Music from a Playlist

To remove music files from a playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap the **Playlists** tab.
3. Tap the playlist name in which to delete music.
4. Press ➔ **Remove**.
5. Tap the checkbox to the left of each track you want to remove from this playlist, or tap **Select all** to remove all the music tracks from this playlist, then tap **Remove**.

Editing a Playlist

Besides adding and removing music files in a playlist, you can also rename the playlist.

To edit a playlist:

1. From the Home screen, tap ➔ **Music Player** .
2. Tap **Playlists**.
3. Press ➔ **Edit title**.
4. Tap a playlist name to edit.

5. Enter a new name for the playlist then tap **OK**.

For information on downloading music for your phone, see *"Google Play Music"* on page 82.

Google Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC.

1. From the Home screen, tap ➔ **Play Music** .
2. At the Welcome screen, tap **Next**.
3. At the **Select an account** screen, tap an account that you would like to link to Google Play Music or tap **Add Account**.
4. At the **Get free music** screen, tap **Get free songs** or **Skip**.
5. Follow the on-screen instructions for getting your free music.

   All music on your device and external SD card is displayed including Music folders that may contain multiple songs.
6. Tap a song to start playback.
7. From the main Play Music screen, you can tap any of the following tabs for a more detailed listing of songs: Recent, Artists, Albums, Songs, Playlists, and Genres.
8. Tap for the following options:
   - **Shuffle all**: allows you to play all of your music in a shuffled order.
   - **Make available offline**: allows you play your music without being online or connected to the network.
   - **Offline music only**: only allows you to play music offline.
   - **Settings**: allows you to view Open source licenses and the music version for the Play Music application.
   - **Help**: allows you to view a help file on the Google Support website.

Video Player

The Video Player application plays video files stored on your microSD card.

1. From the Home screen, tap ➔ **Video Player** .
2. All videos that you have on your phone and memory card will be displayed. Tap the video that you want to play.
3. The video will begin to play.

4. The following video controls are available:

Pause the video.

Start the video after being paused.

Press and hold to rewind the video. Tap to go to previous video.

Press and hold to fast-forward the video. Tap to go to next video.

Volume control.

Original size view. The video will be played in its original size.

Full-screen in ratio view. The video is enlarged as much as possible without becoming distorted.

Full-screen view. The entire screen is used, which may cause some minor distortion.

Note: The screen view icons are a three-way toggle. The icon that is displayed, is the mode that will appear after the icon is tapped.

For more information on downloading videos for your phone, see *"Media Hub"* on page 77.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time.

1. From the Home screen, tap **➔Play Movies & TV** .
2. Log on to your Google account if you have not already done so.
3. Following the on-screen instructions for renting and viewing movies.
4. Tap the **MOVIES** tab to view movies you can rent.
5. Tap the **TV SHOWS** tab to view shows you can rent.
6. Tap the **PERSONAL VIDEOS** tab to view movies you have on your phone or memory card.
7. Press for additional options.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message.

1. From the Home screen, tap ➔ **Gallery** .
   All of the Albums that hold your pictures and videos will be displayed with folder name and number of files.
2. Tap an Album and thumbnails of the contents will be displayed.

Note: If your device displays that the memory is full when you access Gallery, delete some of the files by using **My files** or other file management applications and try again. For more information, refer to *"My Files"* on page 166.

Viewing Pictures

1. Tap a thumbnail to view the picture.

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

2. The following options are available at the top of the screen:
   - **Slideshow** : allows you to see your photos in a slideshow. You can also select Slideshow settings to set Effects, Music, and Speed.
   - **Share via** : allows you to share the picture via ChatON, AT&T Locker, Picasa, Google+, Bluetooth, Wi-Fi Direct, Messaging, Gmail, or Email.
3. Press for additional options.

Viewing Videos

Note: If no control icons are displayed on the screen in addition to the picture, tap anywhere on the screen to display them.

1. Tap a video to select it.
2. Tap to play the video.
3. Press for additional options.
   For video player controls, see *"Video Player"* on page 82.

Camera

This section explains how to use the camera on your phone. You can take photographs and shoot video by using the built-in camera functionality. Your 5 megapixel camera produces photos in JPEG format.

Important! Do not take photos of people without their permission.
Do not take photos in places where cameras are not allowed.
Do not take photos in places where you may interfere with another person's privacy.

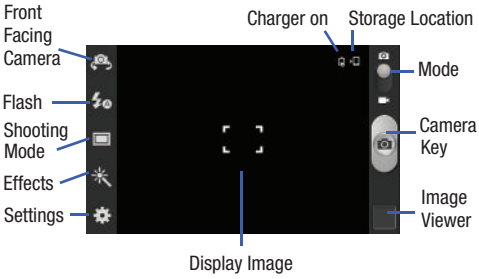
Using the Camera

Taking Photos

Taking pictures with your device's built-in camera is as simple as choosing a subject, pointing the camera, then pressing the camera key.

Note: When taking a photo in direct sunlight or in bright conditions, shadows may appear on the photo.

1. From the main Home screen, tap → **Camera** to activate the camera mode.
2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.
3. Before you take a picture, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the picture up to x4 (400 percent).
   – or –
   Pinch the screen to zoom out or pinch outwards to zoom in.
4. If desired, before taking the photo, you can tap on-screen icons to access various camera options and settings.
5. You can also tap the screen to move the focus to the area you touch.
6. Press the Camera key ( ) until the shutter sounds. (The picture is automatically stored within your designated storage location. If no microSD is installed, all pictures are stored on the Phone.) For more information, refer to *"Camera Options"* on page 86.



7. While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out.

   You can magnify the picture up to x4.

8. Press to return to the viewfinder.

Camera Options

Options are represented by icons across both sides of the screen.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Self-portrait: allows you to activate the front facing camera so you can take pictures of yourself or video chat.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode to one of the following:

- **Single shot**: takes a single photo and view it before returning to the shooting mode.
- **Smile shot**: the camera focuses on the face of your subject. Once the camera detects the person's smile, it takes the picture.

- **Panorama**: takes a landscape photo by taking an initial photo and then adding additional images to itself. The guide box lets you view the area where the second part of the panoramic picture should fall within.

- **Cartoon**: gives your photo a cartoon look.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Negative, Black and white, and Sepia.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Self-portrait: allows you to set the front camera so you can take pictures of yourself.

Flash: allows you to set the flash options to Off, On, or Auto flash.

Shooting mode: allows you to set the shooting mode.

Scene mode: allows you to set the Scene to help take the best pictures possible. Options include None, Portrait, Landscape, Night, Sports, Party/Indoor, Beach/Snow, Sunset, Dawn, Fall Color, Firework, Text, Candlelight, and Backlight. Helpful tips are shown for each scene mode at the bottom of the display screen.

Exposure value: allows you to adjust the brightness level by moving the slider.

Focus mode: allows you to set this option to Auto focus or Macro. Use Macro mode to take close-up pictures.

Timer: allows you to set a timer for how long to wait before taking a picture. Options include: Off, 2 sec, 5 sec, and 10 sec.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Negative, Black and white, and Sepia.

Settings: (continued)

Resolution: allows you to set the image size to either: 5M (2560x1920), W4M (2560x1536), 3.2M (2048x1536), W2.4M (2048x1232), W0.4M (800x480), or 0.3M (640x480).

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

ISO: ISO determines how sensitive the light meter is on your digital camera. Choose from Auto, 100, 200, or 400. Use a lower ISO number to make your camera less sensitive to light, a higher ISO number to take photos with less light, or Auto to let the camera automatically adjust the ISO for each of your shots.

Metering: allows you to set how the camera measures or meters the light source: Center-weighted, Spot, or Matrix.

Guidelines: allows you to turn the guidelines On or Off.

Image quality: allows you to set the image quality to: Superfine, Fine, or Normal.

GPS tag: allows you to turn GPS On or Off (also known as Geotagging). The location of where the picture is taken is attached to the picture. (Only available in Camera mode.) Before you can use the GPS tag (Geotagging), from the Home screen tap → **Settings** → **Location services** and tap **Use GPS satellites** to create a checkmark.

Shutter sound: allows you to set the Shutter sound to On or Off.

Save as flipped: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected picture. Image viewer options are described in the following section. The last picture you took, will be displayed as a thumbnail in the Image viewer icon.

Viewing your Pictures

After you take a photo, you can access various options from the Image Viewer. The Image Viewer uses your Gallery. For more information, refer to *"Gallery"* on page 84.

Using the Camcorder

In addition to taking photos, the camera also doubles as a camcorder that also allows you to record, view, and send videos.

Note: The camera may not be able to properly record videos to a memory card with a slow transfer speed.

Shooting Video

Tip: When shooting video in direct sunlight or in bright conditions, it is recommended that you provide your subject with sufficient light by having the light source behind you.

1. From the main Home screen, tap **Camera** to activate the camera mode.
2. Touch and drag the Camera mode button down to Camcorder Mode.
3. Tap the **Recording mode** that you prefer.
4. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camcorder at the subject.
5. Before you take a video, use the **Up** and **Down** Volume keys to zoom in or out. You can magnify the video up to x4 (400 percent).

   – or –

   Pinch the screen to zoom out or pinch outwards to zoom in.

6. Tap the Video key ( ) to begin shooting video. The red light will blink while recording.
7. Tap the Video key ( ) again to stop the recording and save the video file to your Camera folder.
8. Once the file has been saved, tap the image viewer, then tap to play your video for review.
9. Press to return to the viewer.

Camcorder Options

Options are represented by icons across both sides of the screen.

Camera / Camcorder Mode: allows you to take a photo in various modes. Once you change the mode, the corresponding indicator appears at the top left of the display. Slide the button up for Camera, or down for Camcorder.

Self portrait: allows you to activate the front facing camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location and to Limit for MMS, which is limited by MMS size restrictions.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Negative, Black and white, and Sepia.

Settings:

Edit shortcuts: allows you to set shortcut icons for the settings that you use the most.

Self-recording: allows you to set the front camera so you can take videos of yourself or video chat.

Flash: allows you to set the flash options to Off or On. When you set the flash to On, it stays on continually while you are taking a video.

Recording mode: allows you to set the recording mode to: Normal, which is limited only by available space on the destination location or Limit for MMS, which is limited by MMS size restrictions.

Settings: (continued)

Exposure value: allows you to adjust the brightness level by moving the slider.

Timer: allows you to set a timer for how long to wait before taking a video. Options include: Off, 2 sec, 5 sec, and 10 sec.

Effects: allows you to change the color tone or apply special effects to the photo. Options include: No effect, Negative, Black and white, and Sepia.

Resolution: allows you to set the image size to either: 1280x720, 720x480, 640x480, or 320x240.

White balance: allows you to set this option to one of the following choices: Auto, Daylight, Cloudy, Incandescent, or Fluorescent.

Guidelines: allows you to turn the guidelines On or Off.

Video quality: allows you to set the image quality to: Superfine, Fine, or Normal.

Save as flipped: when set to On, this option allows you to take and save a mirror-image video when using self-recording mode.

Storage: allows you to configure the default storage location for images or videos as either Phone or Memory card (if inserted).

Reset: allows you to reset all camera or camcorder settings to the default values.

Image viewer: allows you to access the Image viewer and the various viewing options for a selected video. Image viewer options are described in the following section. The last video you took, will be displayed as a thumbnail in the Image viewer icon.

Viewing your Videos

After you take a video, you can access various options from the Image Viewer. The Image Viewer uses your Gallery and the Video Player. For more information, refer to *"Gallery"* on page 84. Also, see *"Video Player"* on page 82.

Section 7: Messaging

This section describes how to send and receive different types of messages. It also includes the features and functionality associated with messaging.

Types of Messages

Your phone provides the following message types:

- Text Messages
- Multimedia (Picture, Video, and Audio) Messages
- Email and Gmail Messages
- AT&T Messages
- Google Talk
- Google+ and Messenger Messages
- ChatON

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Important! When creating a message, adding an image, a sound file, or a video clip to a text message changes the message from a text message to a multimedia message.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type. For more information, refer to *"Indicator Icons"* on page 18.

Creating and Sending Messages

1. From the main Home screen, tap **Messaging** → **Compose**.

Note: The main Home screen initially contains the **Messaging** icon. If you delete it, or if you want to access Messaging from another Home screen, you must tap **Apps** → **Messaging**.

2. Tap on the **Enter recipient** field to manually enter a recipient or tap to select a recipient from your Groups, Favorites, Contacts, or Logs.
3. If adding a recipient from your Contacts, tap the contact to place a checkmark then tap **Done**.

   The contact will be placed in the recipient field.

Note: For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

Note: Enter additional recipients by separating each entry with a semicolon (;) then using the previous procedure.

4. Tap the **Enter message** field and use the on-screen keypad to enter a message. For more information, refer to *"Entering Text"* on page 59.
5. Add more recipients by tapping the recipient field.
6. Review your message and tap **Send**.

Note: If you exit a message before you send it, it will be automatically saved as a draft.

Message Options

Options before composing a message

1. From the main Home screen, tap **Messaging**.
2. Before composing a message, press to reveal additional messaging options:
   - **Search**: allows you to search through all of your messages for a certain word or string of words. Enter a search string in the Messaging Search window and tap .
   - **Settings**: allows you to access Messaging settings. For more information, refer to *"Messaging Settings"* on page 97.
   - **Delete threads**: allows you to delete any message thread. Select the messages to delete and a green checkmark will appear next to the message. Tap **Delete**.

Options while composing a message

1. While composing a message, press to reveal additional messaging options.
   - **Insert smiley**: allows you to add emoticons, such as a happy face to your message.
   - **Add text**: allows you to copy text from a memo, calendar, location, contacts, or text templates to add to your message. This is a convenient feature for adding names, phone numbers, events, etc. to your message. For more information, refer to *"Adding Additional Text"* on page 95.
   - **Add to Contacts**: allows you to add the recipient to your Contacts list. This option only appears if the recipient is not already in your Contacts list.
   - **Add slide**: allows you to add a new page to a message.
   - **Discard**: allows you to delete the message.

Adding attachments to a message

To add an attachment to your message, tap and select one of the following options:

- **Pictures**: allows you to tap an existing image from your Pictures list to add it to your message.
- **Take picture**: allows you to temporarily exit the message, take a photo with phone's camera, and then add it to your message by tapping **Save**.
- **Videos**: allows you to choose an existing video from the Videos list, then add it to your message.
- **Capture video**: allows you to temporarily exit the message, record a video clip using the phone's camera, and then add it to your message by tapping **Save**.
- **Audio**: allows you to choose an existing audio file from the Audio list, then add it to your message by tapping the circle to the right of the audio so that it turns green, then tapping **Done**.
- **Record audio**: allows you to temporarily exit the message and record an audio clip using the phone's microphone. It is then automatically attached to the message.
- **Memo**: allows you to add a Memo that you have created.
- **Calendar**: allows you to add an event from your calendar. Select the desired event and tap **Done**.
- **Location**: allows you to attach a thumbnail of a map showing your location.
- **Contacts**: allows you to tap on an existing Address Book entry, then add it to your message by tapping **Done**.

Adding Additional Text

You can copy text such as names, phone numbers, and events from your Contacts, Calendar or a Memo.

1. While composing a message, press → **Add text**.
2. At the Add text screen, select one of the following:
   - **Memo**: allows you to insert text from an existing Memo.
   - **Calendar**: allows you to add the name, date, and time of a calendar event to your message.
   - **Location**: allows you to add an address and the link to the location on Google Maps.
   - **Contacts**: allows you to add the name and phone number of any of your contacts to your message.
   - **Text templates**: allows you to add pre-defined phrases and sentences.

   The information is added to your message.

Viewing New Received Messages

1. When you receive a new message, the new message icon will appear at the top of your screen.
2. Open the Notification Bar and select the message. For more information, refer to *"Notification Bar"* on page 38.

– or –

From the main Home screen, tap **Messaging** then tap the new message to view it.

The selected message appears in the display.

3. To play a multimedia message, tap .
   - To pause playback of the multimedia message, tap .
4. To scroll through the message (if additional text pages have been added), touch the screen and in a single motion, scroll up or down the page.

Message Threads

Sent and received text and picture messages are grouped into message threads. Threaded messages allow you to see all the messages exchanged (similar to a chat program) and displays a contact on the screen. Message threads are listed in the order in which they were received, with the latest message displayed at the top.

To open a threaded message follow these steps:

1. From the main Home screen, tap **Messaging**.

   Tap the message thread you want to view.
2. Touch and hold the message thread to display the following options:

- **View contact**: displays the contact's information. This option only displays if the sender is in your Contacts list.
- **Add to Contacts**: displays the Contacts information screen. This option only displays if the sender is not in your Contacts list.
- **Delete thread**: displays a confirmation dialog box that when pressed, deletes the entire thread.

Deleting Messages

Deleting a single message thread

1. From the main Home screen, tap **Messaging** .
2. Touch and hold a message, then tap **Delete thread**.
3. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Deleting multiple message threads

1. From the main Home screen, tap **Messaging** .
2. Press ➔ **Delete threads**.
3. Tap each message you want to delete. A checkmark will appear beside each message you select.
4. Tap **Delete**.
5. At the **Delete** prompt, tap **OK** to delete or **Cancel** to cancel.

Message Search

You can search through your messages by using the Message Search feature.

1. From the main Home screen, tap **Messaging** .
2. Tap ➔ **Search**.
3. Use the on-screen keypad to enter a word or phrase to search for, then tap .
4. All messages that contain the search string you entered are displayed.

Messaging Settings

To configure the settings for text messages, multimedia messages, Voice mails, and Push messages.

1. From the main Home screen, tap **Messaging** → → **Settings**.
2. The following Messaging settings are available:

Display:

- **Bubble style**: allows you to choose from several bubble styles for your messages. Bubbles are the rounded boxes that surround each message.
- **Background style**: allows you to choose from several background styles for your messages.
- **Use the volume key**: allows you to change the text size by using the up or down volume keys.

Storage settings:

- **Delete old messages**: deletes old messages when the limit is reached, rather than having them overwritten.
- **Text message limit**: allows you to set a limit on how many text messages can be in one conversation.
- **Multimedia message limit**: allows you to set a limit on how many multimedia messages can be in one conversation.
- **Set text templates**: allows you to edit or add new text templates to use in your messaging.

Text message (SMS) settings:

- **Manage SIM card messages**: allows you to manage the messages that you have stored on your SIM card.
- **Message center**: allows you to enter the number of your Message center where your messages reside while the system is attempting to deliver them.
- **Input mode**: allows you to set the input mode for your text messages. Choose between GSM Alphabet, Unicode, or Automatic.

Multimedia message (MMS) settings:

- **Auto-retrieve**: allows the message system to retrieve messages automatically.
- **Creation mode**: allows you to select the creation mode, Free, Restricted, or Warning.
  - **Restricted**: you can only create and submit messages with content belonging to the Core MM Content Domain.
  - **Warning**: the phone will warn you via pop up messages that you are creating a multimedia message which does not fit the Core MM Content Domain.

– **Free**: you may add any content to the message.

Push message settings:

- **Push messages**: allows you to receive push messages from the network.

Cell Broadcast (CB) settings:

- **CB activation**: allows you to receive Cell Broadcast (CB) messages.
- **Channel configuration**: allows you to set up the channel that you will receive CB messages on.

Notifications settings:

- **Notifications**: allows you to see message notifications on your status bar.
- **Select ringtone**: allows you to set the ringtone for your message notifications.

Using Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email.

Creating an Email Account

1. From the Home screen, tap → **Email** .

   Your accounts screen displays with an Email setup screen displayed.
2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Next**.
6. At the **Account options** screen, tap the **Email check frequency** drop-down list box and select how often you would like your email to be checked.
7. Tap any of the other options you would like to create a checkmark.
8. Tap **Next**.
9. Enter a name for this email account (optional).
10. Tap **Done**.

Creating a Corporate Email Account

Use the following procedure to configure your phone to synchronize with a corporate email account.

1. From the Home screen, tap → **Email** .

   Your accounts screen displays with an Email setup screen displayed.

2. Enter you email address in the **Email address** field.
3. Enter your password in the **Password** field.
4. If you want to see your password as it is being typed, tap **Show password** to create a checkmark.
5. Tap **Manual setup**.
6. Tap the **Microsoft Exchange ActiveSync** field.
7. Enter all the Exchange server information, Domain, User name and Password, then tap **Next**.
8. At the **Activation** prompt, tap **OK**.
   The **Account options** screen is displayed.
9. Enter the desired information in the different fields, then tap **Next**.
10. Enter an Account name for this account (Optional) and tap **Done**.
    Wait for the Inbox to synchronize before use.
11. Press → **Settings** to change the account settings.

Creating Additional Email Accounts

To create additional email accounts after setting up your first account, follow these steps:

1. From the Home screen, tap → **Email** .
   Your Email screen displays showing your emails from the active account.
2. Press → **Settings**.
3. Tap + to add another email account.
4. Enter the information required to set up another account. For more information, refer to *"Creating an Email Account"* on page 98.

Switching Between Email Accounts

1. From the Home screen, tap → **Email** .
   Your Email screen displays showing your emails from the active account.
2. Tap the Inbox button at the top of your screen that displays the optional name you assigned to your active email account, for example, Work, Gmail, etc.
   Your Email accounts screen is displayed.
3. Tap the Email account you would like to switch to. You can also select **Combined view** which will display email messages from all accounts.
4. The new Email account is displayed.

Using Gmail

Gmail is Google's web-based email. When you first setup the phone, Gmail is configured. Depending on the synchronization settings, Gmail is automatically synchronized with your Gmail account.

Signing into Your Gmail

Note: You must sign in to your Gmail account in order to access Gmail.

1. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap → **Gmail**.
3. Follow the on-screen instructions.
   The Inbox loads conversations and email.

Creating a Gmail Message

1. From the Gmail Inbox, tap at the bottom of the screen to create a new message.
2. Enter the recipients Email address in the **To** field. Separate multiple recipient email addresses with a comma.
3. Tap and select **Add Cc/Bcc** to add a carbon or blind copy.
4. Enter the subject of this message in the **Subject** field.
5. Tap the **Compose email** field and begin composing your message.
6. Tap to send.

Viewing a Gmail Message

1. From the Gmail Inbox, tap a message to view it.
2. The following options are available at the bottom of the screen after a message has been selected:
   - **Archive**: archives the selected message.
   - **Delete**: deletes the message.
   - **Labels**: allows you to attach labels to a message. This is similar to putting it in a folder.
   - **Mark Unread**: after reading a message, marks as unread.
   - **Newer**: swipe your screen to the right to see newer messages.
   - **Older**: swipe your screen to the left to see older messages.
3. Press to select one of the following additional options:
   - **Mark important/not important**: allows you to set the importance of a message.

- **Mute**: hides the email message or conversation so you can ignore it.
- **Report spam**: allows you to report a message as spam. Tap the UNDO option if you change your mind.
- **Settings**: displays Email settings that you can modify.
- **Help**: displays the Google.com webpage so you can search the web for help.
- **Send feedback**: allows you to send feedback or report a problem.

Other Gmail Options

1. Tap at the bottom of the screen to refresh the screen, send and receive new emails, and synchronize your email with the Gmail account.
2. Tap at the bottom of the screen to set up and manage Labels for your Gmail messages.
3. Tap at the bottom of the screen to search through your Gmail messages.

Google Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts.

1. Log on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap → **Talk** talk.
3. Begin using Google Talk.
4. Press → **Help** for more information on using Google Talk.

Note: The Network confirms your login and processes. This could take up to 5 minutes to complete.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+.

1. Sign on to your Google account. see *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap ➔ **Google+** .
3. Follow the on-screen instructions to use Google+.
4. Visit www.google.com/mobile/+/ for more information.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone.

1. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.
2. From the Home screen, tap ➔ **Messenger** .

   – or –

   From the Google+ application, select **Messenger**.
3. Tap **Learn more** for more detailed information.
4. Select the account you want to use to sign in to Google+.

   – or –

   Tap **Add account** to create another account.
5. At the **Messenger** screen, tap to start a new message.
6. In the upper text field, enter a name, email address, or circle.
7. In the bottom message field, enter a message then tap .

Messages App

AT&T Messages brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer.

1. From the Home screen, tap ➔ **Messages** .
2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

Note: The first time you use the Messages app, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to *"Play Store"* on page 171.

3. At the Welcome screen, read the information and tap **Continue** or tap **Learn More** to receive more information.
4. The first time you use Messages, you will need to set up a few things. Tap **Record Greeting** to record a personal greeting, or tap **Skip** if you want to do it later.
5. Follow the on-screen instructions to use the Messages app.

ChatON

Provides a global mobile communication service where you can chat with more than 2 buddies via a group chat. Share things such as pictures, videos, animation messages (Scribbles), audio, Contacts, Calendar entries, and Location information.

For more information, visit: https://web.samsungchaton.com.

1. From the Home screen, tap → **ChatON**.
2. Read the on-screen notification about data charges and tap **OK**.
3. Select either the **Terms and conditions** or **Privacy policy** and read the on-screen information. Tap **Accept** to continue.
4. Select a country code, enter your current phone number to register with the service, and tap **Done**.
5. Choose to receive the verification code via either **SMS** (text message) or **Voice** to your device.

Note: If you opt to receive the verification code via SMS, this information is sent directly to your device. Once received, the **Verification** field is automatically filled in.

6. Enter your real name and tap **OK**.
7. Follow the on-screen instructions to add a buddy and begin your chat session.

Section 8: Changing Your Settings

This section explains the settings used for customizing your device.

Accessing Settings

- From any Home screen, tap → **Settings**.

  – or –

  From any Home screen, press → **Settings**.

  The Settings screen displays.

Wi-Fi Settings

This section describes the Wi-Fi settings. For information on how to use Wi-Fi, see *"Wi-Fi"* on page 142.

Activating Wi-Fi

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON

.
3. Tap **Scan** to scan for available Wi-Fi networks. For more information, refer to *"Connect to a Wi-Fi Network"* on page 143.

Advanced Wi-Fi Settings

The advanced Wi-Fi settings allow you to set up and manage wireless access points.

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap **Advanced**.

   The following options are available:

   - **Network notification**: alerts you when a new WAP is available.
   - **Keep Wi-Fi on during sleep**: allows you to specify when to disconnect from Wi-Fi.
   - **Auto connect**: allows you to be automatically connected to an AT&T Wi-Fi Hotspot as soon as your phone detects it.
   - **MAC address**: view your device's MAC address, required when connecting to some secured networks (not configurable).
   - **IP address**: view your device's IP address.

Bluetooth settings

In this menu you can activate Bluetooth, view or assign a device name, activate your phone so other Bluetooth devices can discover it, or scan for other, available Bluetooth devices with which to pair.

Activating Bluetooth

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON . The Bluetooth icon is displayed.

Additional Bluetooth Settings

When Bluetooth is on, additional settings are available.

1. From the Home screen, tap ➔ **Settings** ➔ **Bluetooth**.
2. Tap **Scan** to scan for nearby discoverable devices. After searching, tap a device to pair with it. For more information, refer to *"Pairing Bluetooth Devices"* on page 148.
3. Press and select a Bluetooth setting to configure:
   - **Device name**: Your device's default name displays on screen. Tap to change the device name. Available when Bluetooth is turned On.
   - **Visible time-out**: Use this setting to control when to automatically turn off the Discoverable option: 2 minutes, 5 minutes, 1 hour, or Never timeout.
   - **Received files**: Show the list of files received by using Bluetooth.

Data Usage

From this screen you can view your Mobile data usage and turn your Mobile data capability On or Off.

1. From the Home screen, tap ➔ **Settings** ➔ **Data usage**.
2. Tap **Mobile data** to create a checkmark and turn Mobile data usage on.
3. Tap **Set mobile data limit** to create a checkmark and allow a data limit to be set.
4. Touch and drag the red limit bar to the GB limit that you desire.
5. Tap the **Data usage cycle** drop-down menu and select a date.

   The data usage displays as a visual (chart) and also displays a list of each application with a breakdown of how much data was used per application.

Note: Data is measured by your device. Your service provider may account for data usage differently.

6. Press to display additional options. Tap to activate.
   - **Data roaming**: enables Data roaming on your device.
   - **Restrict background data**: restricts some apps and services from working unless you are connected to a Wi-Fi network.
   - **Show Wi-Fi usage**: displays a Wi-Fi tab that shows Wi-Fi usage.

More Settings

This tab displays additional wireless and network information.

- From the Home screen, tap ➔ **Settings** ➔ **More settings**.

  Options display for Airplane mode, Mobile networks, Tethering and portable hotspots, NFC, Android Beam, S Beam, Wi-Fi Direct, VPN, Kies via Wi-Fi, and Nearby devices.

Airplane mode

Airplane mode allows you to use many of your phone's features, such as Camera, Games, and more, when you are in an airplane or in any other area where making or receiving calls or data is prohibited.

Important! When your phone is in Airplane Mode, it cannot send or receive any calls or access online information or applications.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings**.
2. Tap **Airplane mode**. A check mark displayed next to the feature indicates Airplane mode is active.
3. At the **Airplane mode** prompt, tap **OK**.

   The Airplane mode icon is displayed at the top of your screen.

Mobile networks

Before you use applications such as Google Maps and find your location or search for places of interest, you must enable the Mobile networks options.

Use Packet Data

To activate the data network, this option must be selected. It is set on by default.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.

2. Tap **Use packet data** to create a checkmark and activate the feature.

Data Roaming

Data roaming allows you to connect to your service provider's partner networks and access data services when you are out of your service providers area of coverage.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Data roaming** to create a checkmark and activate the feature.

Access Point Names

To use Wi-Fi you need access to a wireless access point (hotspot).

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Access Point Names**.

   A list of the Access Point names display. The active access point displays a green, filled circle to the right of the name.

Network Operators

Using this feature you can view the current network connection. You can also scan and select a network operator manually, or set the network selection to Automatic.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Network operators**.
3. Tap **Search networks** to manually search for a network.
4. Tap **Select automatically** to automatically select a network connection.

Note: Connecting to 2G networks slows the data transfer speed and time.

Default setup options

Your phone default is set to Automatic (to automatically search for an available network. You can set this option to Manual to select a network each time you connect.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Mobile networks**.
2. Tap **Network operators**.
3. Tap **Default setup**.

4. Tap **Manual** to locate and connect to a network manually, or tap **Automatic** to allow the device to automatically select a network.

Tethering & portable hotspot

This option allows you to share your phones's mobile data connection via USB or as a portable Wi-Fi hotspot.

USB tethering

1. From the Home screen, tap → **Settings** → **More settings** → **Tethering and portable hotspots**.
2. Connect your phone to your PC using a USB cable.
3. Tap **USB tethering** to add a checkmark and activate the feature. The USB tethering icon is displayed at the top of your screen.

Note: You must connect the phone to a PC using a USB cable to tether.

Portable Wi-Fi hotspot

1. From the Home screen, tap → **Settings** → **More settings** → **Tethering and portable hotspots** → **Mobile Hotspot**.
2. Turn Portable Wi-Fi hotspots on by tapping the slider so that it changes to the ON position ON.
   The Portable Wi-Fi hotspot icon is displayed at the top of your screen.
3. Tap **Configure** at the bottom of the screen.
4. Enter or edit the Network SSID, Hide my device, Security setting, and Password.
5. Tap **Show password** and **Show advanced options** to see them displayed.
6. Tap **Save**.
7. Press for the following options:
   - **Timeout settings**: allows you to set the time your device will be available as a portable Wi-Fi hotspot.
   - **Help**: provides additional information.

Connecting to Portable Wi-Fi hotspot from other devices

1. Activate Wi-Fi on the device that wants to connect to your phone.
2. Find **[Galaxy_Express_xxxx]** in the Wi-Fi network list and connect to it. XXXX are four randomly generated digits that will appear when you set up a Portable Wi-Fi hotspot on your device.

   The connected device can now use internet through your Portable Wi-Fi hotspot.

Note: Activating Wi-Fi and connecting to your phone will be different depending on the type of the other device.

Help

- From the **Tethering and portable hotspot** menu, tap **Help** for additional information

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC, follow these steps:

1. From the Home screen, tap → **Settings** → **More settings**.
2. Tap **NFC** to create a checkmark and activate the feature.

Android Beam

When Android Beam is activated, you can beam application content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From the Home screen, tap → **Settings** → **More settings** → **Android Beam**.
2. Tap the **OFF / ON** icon to turn Android Beam on

.
3. Touch the back of your device with another NFC-capable device and the content is transferred.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **S Beam**.
2. Tap the **OFF / ON** icon to turn S Beam on .
3. Touch the back of your device with another NFC-capable device and the content is transferred.

Activating Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Wi-Fi Direct**.
2. Tap the **OFF / ON** icon to turn Wi-Fi Direct on . For more information, refer to *"Wi-Fi Direct"* on page 144.

VPN settings

The VPN settings menu allows you to set up and manage Virtual Private Networks (VPNs).

Important! Before you can use a VPN you must establish and configure one.

Adding a Basic VPN

Before you add a VPN you must determine which VPN protocol to use: PPTP (Point-to-Point Tunneling Protocol), L2TP (Layer 2 Tunneling Protocol), L2TP/IPSec PSK (Pre-shared key based L2TP/IPSec), or L2TP/IPSec CRT (Certificate based L2TP/IPSec).

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Lock screen options"* on page 120.
2. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **VPN**.
3. Tap **Basic VPN**.
4. Tap **Add VPN network**.
5. Enter a name for the VPN network in the **Name** field.

6. Select a VPN type from the **Type** drop-down menu. The options are:
   - PPTP (Point-to-Point Tunneling Protocol)
   - L2TP/IPSec PSK (Layer 2 Tunneling Protocol / Internet Protocol Security Pre-Shared Key)
   - L2TP/IPSec RSA
   - IPSec Xauth PSK
   - IPSec Xauth RSA
   - IPSec Hybrid RSA
7. Enter the Server address and any other required fields that are dependent upon the **Type** you entered previously.
8. Tap the **Show advanced options** check box to display additional VPN options.
9. Tap **Save** to save your VPN settings.

Adding an IPsec VPN

1. Before using VPN, you must first set up a screen unlock PIN or password. For more information, refer to *"Lock screen options"* on page 120.
2. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **VPN**.
3. Tap **Advanced IPsec VPN**.
4. Tap **Add VPN connection**.
5. Enter a password and tap **OK**.
6. Enter a name for the VPN connection in the **VPN connection name** field.
7. Select a IPsec connection type from the drop-down menu.
8. Enter any other required information.
9. Tap the **Show advanced options** check box to display additional VPN options.
10. Tap **Save** to save your VPN settings.

Kies via Wi-Fi

Kies via Wi-Fi allows you to sync your PC wirelessly with your device provided they are both on the same Wi-Fi network. You can view and share videos, photos, music, ringtones, and more.

1. From your PC, download the Samsung Kies application if you don't already have it.
   You can find it at samsung.com.
2. From your PC, launch the Samsung Kies application.
3. From your PC, connect to a Wi-Fi network.

4. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Kies via Wi-Fi**.
5. From your device, connect to the same Wi-Fi network that your PC is connected to if you have not already done so. For more information, refer to *"Connect to a Wi-Fi Network"* on page 143.

Nearby devices

This option allows you to share your media files with nearby devices using DLNA and connected to the same Wi-Fi.

1. Connect to a Wi-Fi network. For more information, refer to *"Activating Wi-Fi"* on page 104.
2. From the Home screen, tap ➔ **Settings** ➔ **More settings** ➔ **Nearby devices**.
3. Verify Wi-Fi Direct is enabled and you are paired with the device you wish to detect and share content with.
4. Tap the checkbox next to **File sharing** to create a checkmark and turn File sharing on.
5. Verify (**Nearby devices**) appears at the top of the screen.
6. At the Nearby devices prompt, tap **OK**.
7. Tap **Shared contents**, then check the media you would like to share. Tap **OK**.
8. Tap **Device name**, then use the on-screen keyboard to change the name shown to others. Tap **Save**.
9. Tap **Access control**, then what devices are allowed access. Choose from Allow all or Only allowed devices. The allowed devices are configured in the following Allowed devices list.
10. Tap **Allowed devices list**, then select the connected devices you would like to allow.
11. Tap **Not-allowed devices list**, then select the connected devices you would like to not allow.
12. Tap **Download to**, then select the destination of any downloaded (shared) content. Choose from USB storage (phone) or SD card.
13. Tap **Upload from other devices**, then select the actions you'll take when you upload content from other devices. Choose from either Always accept, Always ask, or Always reject.

Sound Settings

From this menu you can control the sounds on the phone.

- From the Home screen, tap → **Settings** → **Sound**.

The following options display:

Sound profiles

The Sound profiles feature allows you to set your phone to play sound, vibrate, or mute.

1. From the Home screen, tap → **Settings** → **Sound**.
2. Tap **Sound profiles**.
3. Tap **Sound**, **Vibrate**, or **Mute**.

Silencing your phone from the Home screen:

1. From the Home screen, press the **Lock** key until **Device options** displays.
2. Tap one of the following Sound profile icons:
   - **Sound**: Can hear all sounds.
   - **Vibrate**: No sound, only vibration.
   - **Mute**: No sound or vibration.

   A blue line appears under the icon that is activated.

Volume

The Volume option allows you to change the volume for all phone sounds in one easy location.

1. From the Home screen, tap → **Settings** → **Sound** → **Volume**.
2. Touch and drag the slider to adjust the sound volume for Media, Ringtone, Notifications, and System.
3. Tap **OK**.

Vibration intensity

Vibration intensity allows you to select how intense the vibration is for different options.

1. From the Home screen, tap → **Settings** → **Sound** → **Vibration intensity**.
2. Touch and drag the slider to adjust the Vibration intensity for Incoming call, Notification, and Haptic feedback.

Device ringtone

This option allows you to set the ringtone.

1. From the Home screen, tap → **Settings** → **Sound**.
2. Tap **Device ringtone**.
3. Tap a ringtone and tap **OK**.

Device vibration

This option allows you to set your phone to vibrate and ring.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Device vibration**.
3. Select a vibration pattern and tap **OK**.

Default notifications

This option allows you to set the ringtone that will sound for notifications and alarms.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Default notifications**.
3. Tap a ringtone and tap **OK**.

Sound and vibration

This option allows you to enable all sounds and vibrations.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap **Sound and vibration** to create a checkmark and enable the feature.

System Tone Settings

The System tone settings are used when you use the dialing pad, make a screen selection, lock your screen, or tap the screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Sound**.
2. Tap any of the following options to create a checkmark and activate the feature:
   - **Keytones**: makes a sound when you tap a key on the keyboard.
   - **Touch sounds**: makes a sound when you touch the screen.
   - **Screen lock sound**: makes a sound when your screen is locked or unlocked.
   - **Haptic feedback**: makes a vibration when you tap soft keys and on certain UI interactions.

Display Settings

In this menu, you can change various settings for the display.

- From the Home screen, tap ➔ **Settings** ➔ **Display**. The following options display:
  - **Brightness**: configures the LCD Brightness levels. Tap Automatic brightness to allow the phone to self-adjust or drag the slider and tap OK.
  - **Screen timeout**: adjusts the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 2 minutes, 5 minutes, and 10 minutes.

- **Auto-rotate screen**: allows you to switch the display orientation automatically when you rotate the phone.
- **Key backlight duration**: allows you to set the time that the touch keys located on the bottom of your phone are lit.
- **Font style**: allows you to set the font style that your phone will use. You can also tap Get fonts online to choose from a wider selection.
- **Font size**: allows you to select which size of font is displayed.
- **Auto adjust screen tone**: allows you to save power because the phone analyzes the displayed screen image and adjusts the LCD brightness.
- **Display battery percentage**: allows you to see the battery charge percentage next to the battery charge icon at the top of the display.

Wallpaper

The Wallpaper settings option allows you to set the Wallpaper for your Home screen, Lock screen, or both. For more information, refer to *"Changing the Wallpaper"* on page 35.

Motion

The Motion settings allow you to set up various Motion activation services. For more information on using gestures, see *"Using Gestures"* on page 29.

1. From the Home screen, tap → **Settings** → **Motion**.
2. The following options are available. Tap the ON/OFF icon ON to activate each option.
   - **Shake to update**: Once enabled, shake your device to rescan for Bluetooth devices, rescan for Wi-Fi devices, Refresh a Web page, etc.
   - **Turn over to mute/pause**: Once enabled, mute incoming calls and any playing sounds by turning the device display down on a surface. This is the opposite of the Pickup to be Notified Gesture.
3. Tap **Learn about motions** to view related tutorials.

Power Saving Mode

Power Saving Mode allows you to manage your phone to conserve power.

1. From the Home screen, tap ➔ **Settings** ➔ **Power saving**.
2. Tap the **OFF / ON** icon next to **Power saving** to turn Power saving mode on .
3. Tap the following options to create a checkmark and conserve power:
   - **CPU power saving**: allows you to limit the maximum performance of the CPU.
   - **Screen power saving**: allows you to lower the screen power level.
   - **Background color**: allows you to change the background color on email and internet to save power.
   - **Turn off haptic feedback**: allows you to turn off vibration when you tap or touch the screen.
4. Tap **Learn about power saving** to learn about various ways to conserve battery power.

Storage

From this menu you can view the memory allocation for the memory card and USB as well as mount or unmount the SD card.

For more information about mounting or unmounting the SD card, see *"Memory Card"* on page 40.

To view the memory allocation for your device and external SD card:

- From the Home screen, tap ➔ **Settings** ➔ **Storage**.The available memory displays under the **Total space** and **Available space** headings for both Device memory and SD card.

SD card

- Tap **Unmount SD card** to unmount your SD card so that you can safely remove it, then tap **OK**.

  – or –

1. Tap **Format SD card** to re-format your SD card. This will delete all data on your SD card including music, videos, and photos.
2. Tap **Format SD card** again.
3. Tap **Delete all** to continue or press to cancel.

Note: The **Format SD card** option is only available when your SD card is mounted.

Battery

See how much battery power is used for device activities.

1. From a Home screen, tap → **Settings** → **Battery**. The battery level displays in percentage. The amount of time the battery was used also displays. Battery usage displays in percentages per application.
2. Tap **Screen**, **Android System**, **Android OS**, **Media server**, **Cell standby**, or any other listed application to view how it is affecting battery use.

Note: Other applications may be running that affect battery use.

Application Manager

You can download and install applications from Play Store or create applications using the Android SDK and install them on your device. Use Application manager settings to manage applications.

Warning! Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From a Home screen, tap → **Settings** → **Application manager**.
2. Tap **Downloaded**, **Running**, or **All** to display memory usage for that category of applications.

   The graph at the bottom of the Downloaded tab shows used and free device memory. The graph at the bottom of the Running tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From a Home screen, tap → **Settings** → **Application manager**.
2. Tap the **Downloaded** tab to view a list of all the downloaded applications on your device.

3. To switch the order of the lists displayed in the Downloaded tabs, press ➔ **Sort by size** or **Sort by name**.
4. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From a Home screen, tap ➔ **Settings** ➔ **Application manager**.
2. Tap the **Running** tab. All the applications that are currently running on the device display.
3. Tap **Show cached processes** to display all the cached processes that are running. Tap **Show services in use** to switch back.
4. Tap one of the applications to view application information.

   The following options display:

   - **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application.

Warning! Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.

- **Report**: Report failure and other application information.

Note: Options vary by application.

All

Displays all apps on your device.

1. From a Home screen, tap ➔ **Settings** ➔ **Application manager**.
2. Tap the **All** tab to view a list of all the downloaded applications on your device.
3. To switch the order of the lists displayed in the Downloaded tabs, press ➔ **Sort by size** or **Sort by name**.
4. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Accounts and Sync

This menu allows you to set up, manage, and synchronize accounts, including your Google and email accounts.

Synchronizing Accounts

Select the items you want to synchronize on your account such as Books, Calendar, Contacts, and more.

1. From a Home screen, tap ➔ **Settings** ➔ **Accounts and sync**.
2. Tap **Sync all** to synchronize all your accounts. Tap **Cancel sync** to stop the synchronization.
3. On the **Auto-sync** field, tap the **OFF / ON** icon to turn Auto-sync on or off, which controls whether changes you make to information on your device or on the web are automatically synced with each other.

Adding an Account

1. From a Home screen, tap ➔ **Settings** ➔ **Accounts and sync**.
2. Tap **Add account**.
3. Tap one of the account types.
4. Use the keyboard and follow the prompts to enter your credentials and set up the account.

Removing an Account

Important! Removing an account also deletes all of its messages, contacts, and other data from the device.

1. From a Home screen, tap ➔ **Settings** ➔ **Accounts and sync**.
2. Tap an account to display its settings.
3. Tap **Remove account**, then tap **Remove account** at the prompt to remove the account and delete all its messages, contacts, and other data.

Location Services

The Location services settings allow you to set up how the phone will determine your location and the sensor settings for your phone.

1. From the Home screen, tap ➔ **Settings** ➔ **Location services**.
2. Tap any of the following options to create a checkmark and activate the service:
   - **Use wireless networks**: allows applications to use data from mobile networks and Wi-Fi to help determine your location.

- **Use GPS satellites**: allows applications to use GPS to pinpoint your location.
- **Location and Google search**: allows Google to use your location data for improved search results and other services.

Security

The Security settings allow you to determine the security level for your phone.

Screen lock

Choose settings for unlocking your screen. For more information about using the lock and unlock features, see *"Locking and Unlocking the Touch Screen"* on page 11.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Screen lock** for these options:
   - **Swipe**: Swipe the screen to unlock it.
   - **Face unlock**: Look at your phone to unlock it.
   - **Face and voice**: Look at your phone and speak to unlock.
   - **Pattern**: A screen unlock pattern is a touch gesture you create and use to unlock your device. Follow the prompts to create or change your screen unlock pattern.
   - **PIN**: Select a PIN to use for unlocking the screen.
   - **Password**: Create a password for unlocking the screen.
   - **None**: No pattern, PIN, or password is required. The screen will never lock.

Lock screen options

Activate or deactivates various Unlock screen functions.

Note: The Lock screen options are only available when the **Screen lock** option is set to **Swipe** or **Motion**.

1. From the Home screen, tap ➔ **Settings** ➔ **Security** ➔ **Lock screen options**.
2. The following options are available:
   - **Shortcuts** sets shortcuts to appear at the bottom of the Lock screen.
   - **Information ticker** sets the news and stock information ticker to appear across the bottom of the Lock screen.
   - **Clock** allows you to display the digital clock while the Lock screen is active. Enabled by default.
   - **Dual clock** displays a set of dual digital clock on the Lock screen while you are traveling. Tap the entry to set your home city. This time zone then becomes the time used by one of these on-screen clocks.

- **Weather** displays the current area weather on the Lock screen. Tap and set both the temperature units (F or C) and a refresh time.
- **Help text** shows help information on the Lock screen.
- **Wake up in lock screen** requires that you say a command to wake-up S Voice.
- **Set wake-up command** designates your S Voice wake-up commands. Tap Wake-up S Voice and follow the on-screen prompts to create a new verbal command.

Note: These options vary depending on the selected Lock settings.

Owner information

This option allows you to show owner information on the lock screen. You can also enter text to display on the lock screen.

1. From the Home screen, tap ➔ **Settings** ➔ **Security** ➔ **Owner information**.
2. Tap the **Show owner info on lock screen** checkbox to create a checkmark if you want your owner information displayed.
3. Enter text that you would like displayed on your lockscreen and tap .

Encryption

To require a numeric PIN or password to decrypt your phone each time you power it on or encrypt the data on your SD card each time it is connected:

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Encrypt device**. For more information, read the displayed help screen.
3. Tap **Encrypt external SD card** to enable the encryption on SD card data that requires a password be entered each time the microSD card is connected.

Tip: Make sure your battery is charged more than 80 percent. Encryption may take an hour or more.

Set up/change password

Use this option to set up your password when one is first required or change your current password.

1. From the Home screen, tap ➔ **Settings** ➔ **Security** ➔ **Set up/change password**.

2. Enter a new password and tap **Confirm**.
3. Enter the new password again and tap **Confirm**.

Set up SIM card lock

Prevent another user from using your SIM card to make unauthorized calls or from accessing information stored on your SIM card by protecting the information using a PIN code.

When enabled, your phone will ask for a PIN number each time you use the phone. Using this option you can also change your SIM PIN number.

1. From the Home screen, tap → **Settings** → **Security**.
2. Tap **Set up SIM card lock**.
3. Tap **Lock SIM card**, enter your SIM PIN code, then tap **OK**.

Note: You must activate Lock SIM card before you can change your SIM PIN code.

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4. Tap **Change SIM PIN**.
5. Enter your old SIM PIN code and tap **OK**.
6. Enter your new SIM PIN code and tap **OK**.
7. Re-type your new SIM PIN code and tap **OK**.

Make passwords visible

When enabled, password characters display briefly as you touch them while entering passwords.

1. From the Home screen, tap → **Settings** → **Security**.
2. Tap **Make passwords visible** to create a checkmark and enable or disable the display of password characters.

Device Administrators

The Device Administration feature allows you to select one or more administration applications that control your device for security purposes (for example, if your phone is lost of stolen). These applications enforce remote or local device security policies.

Some of the features a device administration application might control are:

- Setting the number of failed password attempts before the device is restored to factory settings.
- Automatically locking the device.
- Restoring factory settings on the device.

Note: If a device uses multiple enabled administration applications, the strictest policy is enforced.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Device administrators**.
3. Select a device administrator and follow the prompts. If no device administrators are listed, you can download them from the Play Store.

Unknown sources

This feature allows you to download and install non-Market applications.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Unknown sources**.

   A check mark is displayed to indicate it is active.

Warning! Enabling this option causes your phone and personal data to be more vulnerable to attack by applications from unknown sources.

Trusted Credentials

If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

1. From the Home screen, tap ➔ **Settings** ➔ **Security**.
2. Tap **Trusted credentials**.

   The trusted credentials screen has two tabs:

   - **System**: Displays CA certificates that are permanently installed in the ROM of your device.
   - **User**: Displays any CA certificates that you installed, for example, in the process of installing a client certificate.
3. Tap a CA certificate to examine its details.

   A scrolling screen displays the details.
4. Scroll to the bottom of the details screen and tap **Disable** to disable a System certificate or **Remove** to remove a User certificate.

Caution! When you disable a system CA certificate, the **Disable** button changes to **Enable**, so you can enable the certificate again, if necessary. When you remove a user-installed CA certificate, it is permanently deleted and must be re-installed, if needed.

5. Tap **OK** to return to the certificate list.

   When enabled, a check mark appears in the check box.

Install from device storage

Install encrypted certificates from an installed memory card.

Note: You must have installed a memory card containing encrypted certificates to use this feature.

1. From the Home screen, tap → **Settings** → **Security**.
2. Tap **Install from device storage**, then choose a certificate and follow the prompts to install.

Clear credentials

Clear stored credentials.

Note: This setting only appears if you have installed encrypted certificates.

1. From the Home screen, tap → **Settings** → **Security**.
2. Tap **Clear credentials** to remove all certificates.

Language and Input

This menu allows you to configure the language in which to display the menus. You can also set onscreen keyboard options.

Language

You can change the language used by your device by following these steps:

1. From the Home screen, tap → **Settings** → **Language and input** → **Language**.
2. Tap a language from the list.

Keyboards and Input Methods

You can change the keyboard used by your device by following these steps:

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap **Default** and select a keyboard.
3. Tap **Configure input methods**.
4. Tap the icon next to the input method that you would like to configure the settings for.
5. Based on your selection of input method, the appropriate settings will appear and are explained below.

Google voice typing settings

From this menu you can set Google voice typing options.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap the icon next to **Google voice typing**.
3. The following options are available:
   - **Select input languages**: tap on a language that you want to input. Select Automatic to use the local language or select a language from the list.
   - **Block offensive words**: tap to create a checkmark and enable the blocking of recognized offensive words from the results of your voice-input Google typing.

Samsung Keyboard settings

From this menu you can set Samsung keyboard options.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap the icon next to **Samsung keyboard**.
   - **Portrait keypad types** allows you to choose a keypad configuration (Qwerty [default] or 3x4 Keyboard).
   - **Input language** sets the input language. Tap a language from the available list. The keyboard is updated to the selected language.
   - **Predictive text** enables predictive text entry mode. This must be enabled to gain access to the advanced settings. Tap to access the advanced settings.
   - **My word list** allows you to add a new word to the Predictive text dictionary. Tap the **My word list** field, then tap . Enter the new word, then tap **Done** to save.
   - **T9 Trace**: allows you to type words by swiping between letters.

- **Handwriting** enables the device to recognize on-screen handwriting and convert it to text.
- **Voice input** activates the Voice input feature. This is an experimental feature that uses Google's networked speech recognition application.
- **Auto capitalization** automatically capitalizes the first letter of the first word in each sentence (standard English style).
- **Auto-punctuate** automatically inserts a full stop in a sentence by tapping the space bar twice when using the on-screen QWERTY keyboard.
- **Character preview** provides an automatic preview of the current character selection within the text string. This is helpful when multiple characters are available within one key.
- **Key-tap vibration** enables vibration feedback when you tap an on-screen key.
- **Key-tap sound** enables auditory feedback when you tap an on-screen key.
- **Tutorial** launches a brief on-screen tutorial covering the main concepts related to the Samsung keyboard.
- **Reset settings** resets the keyboard settings back to their original configuration.

Predictive Text Settings

From this menu you can set Predictive Text settings.

1. From the Home screen, tap → **Settings** → **Language and input**.
2. Tap the icon next to **Samsung keyboard**.
3. Tap **Predictive text**.
4. Tap the **Word completion** field to enable word completion. Your phone will predict how to complete the word you have started.
5. Tap the **Word completion point** field to set how many letters should be entered before a prediction is made.
6. Tap the **Spell correction** field. This option corrects typographical errors by selecting from a list of possible words that reflect the characters of the keys you tapped as well as the characters of nearby keys.
7. Tap the **Next word prediction** field to enable word prediction for the next word.
8. Tap the **Auto-append** field to automatically add predictions to the word you are typing.

9. Tap the **Auto-substitution** field to automatically replace words that you are typing. This option will help for accidental misspellings.
10. Tap the **Regional correction** field. This option sets the device to automatically correct mistyped words according to normal spelling for your region.
11. Tap the **Recapture** field. This option sets the device to re-display the word suggestion list when you select the wrong word from the list.
12. To add words to substitute (for example youve becomes you've) tap **Auto substitution list**.
13. A list of substitutions is displayed. If you don't see the substitution you want, tap +, and then input the Shortcut word and Substitution word. Then tap **Done** to save.

Voice Command Settings

This menu allows you to use your voice to make commands to your phone.

1. From the Home screen, tap → **Settings** → **Language and input**.
2. Tap **Voice cmd for apps**.
3. Turn Voice command on by tapping the slider so that it changes to the ON position ON.
4. Tap **OK** at the prompt.
5. Tap **Voice cmd for apps**, then tap any of the following options to activate the feature:
   - **Incoming calls**: Answer or reject calls by using the voice commands Answer and Reject.
   - **Alarm**: Stop or Snooze alarms using the voice commands Stop and Snooze.
   - **Camera**: Take pictures using voice commands such as Smile, Cheese, Capture, and Shoot.
   - **Music**: Control the Music player with the voice commands Next, Previous, Pause, Play, Volume Up, and Volume Down.

Note: If you set the alert type for calls or alarms to vibration, Voice Command is not available.

Speech Settings

This menu allows you to set the speech settings for Voice input.

1. From the Home screen, tap → **Settings** → **Language and input**.

2. Tap **Voice recognizer** and select either **Google** or **Samsung powered by Vlingo** as your Voice recognition engine.
3. Tap **Voice search** to configure:
   - **Language**: Choose a language for your voice input.
   - **SafeSearch**: Set the sensitivity for filtering of explicit images from the results of your voice-input Google searches.
   - **Block offensive words**: Enable or disable blocking of recognized offensive words from the results of your voice-input Google searches.

Text-to-speech output

Text-to-speech output provides audible readout of text, for example, the contents of email messages.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap **Text-to-speech output** and select **Google Text-to-speech Engine** or **Samsung TTS**.
3. Tap next to the preferred TTS engine configure the following settings:
   - **Language**: allows you to set the language for spoken text.
   - **Settings for Google Text-to-speech Engine**: allows you to view Open Source Licenses.
   - **Install voice data**: allows you to install voice data for speech synthesis.
4. From the **Text-to speech output** screen, scroll down to access the following option:
   - **Speech rate**: Set the speed at which the text is spoken.
   - **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).
   - **Driving mode**: Incoming calls and new notifications are read aloud when enabled. Tap the slider to enable, then tap Driving mode to display the Driving mode settings.

Mouse/trackpad

This option sets your Pointer speed.

1. From the Home screen, tap ➔ **Settings** ➔ **Language and input**.
2. Tap **Pointer speed** then drag the slide to the right to go faster or to the left to go slower.
3. Tap **OK** to save your setting.

Backup and Reset

Back Up My Data

By setting this option, the Google server will back up all of your settings and data.

1. From the Home screen, tap ➔ **Settings** ➔ **Backup and reset**.
2. Tap **Back up my data** to enable or disable back up of application data, WI-Fi passwords, and other settings to the Google server.

Backup Account

If you have enabled the **Back up my data** option, then the **Backup account** option is available.

1. From the Home screen, tap ➔ **Settings** ➔ **Backup and reset**.
2. Tap **Backup account** and tap your Google Gmail account or tap **Add account** to set your Google Gmail account to be backed up to the Google server.

Automatic Restore

By setting this option, when you reinstall an application, all of your backed up settings and data will be restored.

1. From the Home screen, tap ➔ **Settings** ➔ **Backup and reset**.
2. Tap **Automatic restore** to enable or disable automatic restoration of settings from the Google server.

Factory Data Reset

From this menu you can reset your phone and sound settings to the factory default settings.

1. From the Home screen, tap ➔ **Settings** ➔ **Backup and reset**.
2. Tap **Factory data reset**.

   The Factory data reset screen displays reset information.
3. Tap **Reset device**, then follow the prompts to perform the reset.

Warning! Performing a Factory data reset will erase all data from your phone and internal SD card, including your Google account, system and application data and settings, and downloaded applications. It will not erase current system software, bundled applications, and external SD card files such as music and photos.

Accessory Settings

This menu allows you to select the Audio output mode when using a car or desk dock.

1. From the Home screen, tap ➔ **Settings** ➔ **Accessory**.
2. Tap **Dock sound** to play sounds when inserting or removing the phone from the dock.
3. Tap **Audio output mode** to use the external dock speakers when the phone is docked.
4. Tap **Desk home screen display** to display the desk home screen when the phone is docked.
5. Tap **Audio output** to set your Audio output to Stereo or Surround.
6. Tap **Audio applications** to enable audio applications in the quick panel when you connect earphones.

Date and Time

This menu allows you to change the current time and date displayed.

1. From the Home screen, tap ➔ **Settings** ➔ **Date and time**.
2. Tap **Automatic date and time** to allow the network to set the date and time.
3. Tap **Automatic time zone** to allow the network to set the time zone.

Important! Deactivate **Automatic date and time** to manually set the rest of the options.

4. Tap **Set date** and tap the up and down arrows to set the **Month**, **Day**, and **Year** then tap **Set**.
5. Tap **Set time** and tap the up and down arrows to set the **Hour**, **Minute**, and **PM/AM**, then tap **Set**.
6. Tap **Select time zone**, then tap a time zone.
7. Optional: Tap **Use 24-hour format**. If this is not selected the phone automatically uses a 12-hour format.

8. Tap **Select date format** and tap the date format type.

Accessibility

Accessibility services are special features to make using the device easier for those with certain physical disabilities. Use the Accessibility settings to activate these services.

Note: You can download accessibility applications from Play Store and manage their use here.

1. From the Home screen, tap ➔ **Settings** ➔ **Accessibility**.
2. Tap the **Auto-rotate screen** to automatically rotate the screen from landscape to portrait when you rotate your phone.
3. Tap the **Speak passwords** option to activate this feature which reads out password information.
4. Tap the **The power key ends calls** option to create a checkmark if you want to press the power key to end calls. This will not turn off the screen.
5. Tap the **Accessibility shortcut** option to allow the accessibility shortcut under the device options to be used by pressing and holding the power key.
6. Tap the **Screen timeout** option to timeout the accessibility feature after a defined amount of time.
7. Tap the **TalkBack** option to activate the TalkBack feature.

Note: TalkBack, when installed and enabled, speaks feedback to help blind and low-vision users.

Important! TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

8. Tap **Install Web scripts** if want to allow apps to install scripts from Google that make their Web content more accessible. Tap **Allow**.
9. Tap the **Negative colors** field to reverse the display of on-screen colors from White text on a Black background to Black text on a White background.
10. Tap the **Font size** field to change the size of the fonts used on the device within menus, options, etc. Choose from: Tiny, Small, Normal, Large, or Huge.

11. Tap the **Mono audio** field to enable stereo audio to be compressed into a single mono audio stream for use with a single earbud/earphone.
12. Tap the **Turn off all sounds** field to mute every sound made by the device during taps, selections, notifications, etc.
13. Tap the **Tap and hold delay** field to select a time interval for this action. Choose from: Short, Medium, or Long.

Developer Options

Use the Developer options to set options for application development.

USB Debugging

When enabled, allows debugging when the device is attached to a PC by a USB cable.

Note: This setting is used for development purposes.

1. From the Home screen, tap → **Settings** → **Developer options**.
2. Tap **USB debugging** to enable or disable the setting.
   When enabled, a check mark appears in the check box.

Development Device ID

The identification number for your device when using it as a development tool displays in this field.

Allow Mock Locations

This setting is used by developers when developing location-based applications.

Note: This setting is used for development purposes.

1. From the Home screen, tap → **Settings** → **Developer options**.
2. Tap **Allow mock locations** to enable or disable the setting.
   When enabled, a check mark appears in the check box.

Desktop Backup Password

Protect the desktop with a backup password ID.

1. From the Home screen, tap → **Settings** → **Developer options**.
2. Tap **Desktop backup password**.
3. In the Settings screen, enter the current full backup password, the new password for full backups, then enter the new password again.

4. Tap **Set backup password** to save the password change.

User Interface Options

Configure the user interface by setting the behavior for the way the screen behaves when using applications or displaying data.

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap the check box next to each option to enable:
   - **Strict mode**: Makes the screen flash when applications perform long operations on the main thread.
   - **Show pointer location**: Highlights the data that was touched on the screen.
   - **Show touches**: Displays touch interactions on the screen.
   - **Show screen updates**: Areas of the screen flash when they update.
   - **Show CPU usage**: Screen highlights the current CPU usage.
   - **Force GPU rendering**: Uses a 2D acceleration in applications.
   - **Window animation scale**: Configure the scale for animation (ranges from off to 10x).
   - **Transition animation scale**: Configure the scale for transitioning when using animation (ranges from off to 10x).

Application Options

1. From the Home screen, tap ➔ **Settings** ➔ **Developer options**.
2. Tap **Do not keep activities** to destroy every activity as soon as the application is closed.
3. Tap **Limit background processes** to set the number of processes that can run in the background. Options are: Standard limit, No background processes, and 1 to 4 processes at most.
4. Tap **Show all ANRs** to display a prompt when applications running in the background are not responding.

About Device

This menu contains legal information, system tutorial information, and other phone information such as the model number, firmware version, baseband version, kernal version, and software build number.

To access phone information:

1. From the Home screen, tap → **Settings** → **About device**.
2. The following information displays:
   - **Software update**: allows you to update your phone software, if available. For more information, refer to *"Software Update"* on page 134.
   - **Status**: displays the battery status, the level of the battery (percentage), network, signal strength, mobile network type, service state, roaming status, mobile network state, the phone number for this device, ERI version, IMEI number, IMEISV, IP address, Wi-Fi MAC address, Bluetooth address, Serial number, Up time, and Device status.
   - **Legal information**: This option displays information about Open source licenses as well as Google legal information. This information clearly provides copyright and distribution legal information and facts as well as Google Terms of Service, Terms of Service for Android-powered Phones, and much more pertinent information as a reference. Read the information and terms, then press to return to the Settings menu.
   - **Model number**: displays the phone's model number.
   - **Android version**: displays the android version loaded on this handset.
   - **Baseband version**: displays the baseband version loaded on this handset.
   - **Kernel version**: displays the kernel version loaded on this handset.
   - **Build number**: displays the software, build number.

Note: Baseband, kernal and build numbers are usually used for updates to the handset or support. For additional information please contact your AT&T service representative.

Software Update

The AT&T Software Update feature enables you to use your phone to connect to the network and upload any new phone software directly to your phone. The phone automatically updates with the latest available software when you access this option.

1. From the Home screen, tap → **Settings** → **About device** → **Software update**.
2. Tap **Check for updates**.

3. At the **Software update** prompt, tap **OK** to continue.
4. The phone automatically updates the software (if available), otherwise, when the **Current software is up to date** prompt is displayed, tap **OK**.
5. When updating software, once the update file is downloaded, you can delay the update on the start screen by postponing it for a certain period of time. If you want to resume the update before the selected time, tap **Continue update**.

Section 9: Connections

This section describes the various connections your phone can make including accessing the Internet with your Browser, Wi-Fi, Bluetooth, and Connecting your PC.

Internet

The Browser is your access to the mobile web. This section explains how to navigate the Browser and introduces you to the basic features.

Accessing the Mobile Web

To access the Browser:

- From the Home screen, tap **Browser** .

  The AT&T/YAHOO! mobile homepage displays.

Navigating with the Browser

1. To select an item, tap an entry.
2. To scroll through a website, sweep the screen with your finger in an up or down motion.
3. Sweep the screen left to right to move laterally across a web page.
4. To access the Browser bar at the bottom of the screen, tap . Tap anywhere on the screen to hide it. The Browser bar gives you quick access to Facebook, Like, Share, Popular, News, Sports, Entertainment, Settings, and Add More.
5. To return to a previous page, press .
6. To move forward to a web page, press .

Zooming in and out of the Browser

There are several ways to Zoom in and out on your browser when in Desktop mode. After tapping on a link or article, use one of these methods:

- **Double tap**: Quickly tap the screen twice on the web page to zoom in or out.
- **Pinching**: Sweep in opposite directions at the same time to zoom in or out (use a pinching-in or pinching-out motion).

Browser Options

1. From the home page, press to access the following options:
   - **Home**: takes you to your Home page.

- **New window**: displays a new window so you can browse multiple URLs. For more information, refer to *"Adding and Deleting Windows"* on page 137.
- **Add bookmark**: allows you to add a URL to your bookmark list
- **Add shortcut to home**: allows you to add a shortcut to your Home screen.
- **Share page**: allows you to share the page using Gmail or as a message.
- **Find on page**: allows you to search in the current page.
- **Desktop view**: allows you to assign the browser to display the current page in the desktop view (to closely mimic the display as it would appear on a desktop computer).
- **Save for offline reading**: allows you to store the current page in memory so that it can be read later even if you loose your Internet connection.
- **Downloads**: displays the download history.
- **Print**: allows you to print the screen or web page on a Samsung printer using Wi-Fi.
- **Settings**: allows you to modify your web settings. For more information, refer to *"Browser Settings"* on page 140.

Enter a URL

You can access a website quickly by entering the URL. Websites are optimized for viewing on your phone.

To enter a URL and go to a particular website, follow these steps:

1. Tap the **URL** field at the top of your screen.
2. Enter the URL using the on-screen keypad.

   The website displays.

Search the Internet

To perform an internet search using keywords, follow these steps:

1. From the Google homepage, tap the URL field.
2. Enter the keyword(s) to search using the on-screen keypad and tap **Go**.
3. Tap a link to view the website.

Adding and Deleting Windows

You can have up to eight Internet windows open at one time. To add a new window, follow these steps:

1. From your browser, press → **New window**.

   A new browser window is opened.

2. Tap (**Windows**) to see thumbnails of all open windows.
3. Tap a window listing to open up that Internet window.
4. Tap at the top right corner of the web page thumbnail to delete the window.

Going Incognito

The incognito feature allows you to view Internet sites outside of the normal browsing. Pages viewed in this incognito window won't appear within your browser history or search history, and no traces (such as cookies) are left on your device.

Note: Any downloaded files will be preserved and will stay on your device after you exit the incognito mode.

To add a new incognito window:

1. From your browser window, tap (**Windows**) ➔ (**Incognito**).
2. A new browser window displays.

Note: The incognito icon appears in the upper-left of the new browser window while you are in this mode.

To exit from the incognito window:

1. From your browser window, tap (**Windows**) ➔ (**New window**).
2. Scroll across the available windows and locate the incognito window.
3. Tap next to the incognito listing to delete this window.

Using Bookmarks

While navigating a website, you can bookmark a site to quickly and easily access it at a future time. The URLs (website addresses) of the bookmarked sites are displayed in the Bookmarks page. From the Bookmarks page you can also view your Most visited websites and view your History.

1. From the Home webpage, tap (**Bookmarks**). The Bookmarks page is displayed.
2. Press to display the following options:
   - **List/Thumbnail view**: Select **Thumbnail view** (default) to view a thumbnail of the webpage with the name listed, or select **List view** to view a list of the bookmarks with Name and URL listed.
   - **Create folder**: Creates a new folder in which to store new bookmarks.

- **Change order**: Rearranges the current bookmarks.
- **Move to folder**: Selected bookmarks are moved to a selected folder.
- **Delete**: Erases selected bookmarks.

3. Tap a bookmark to view the webpage, or touch and hold a bookmark for the following options:
   - **Open**: Opens the webpage of the selected bookmark.
   - **Open in new window**: Opens the webpage in a new window.
   - **Edit bookmark**: Allows you to edit the name or URL of the bookmark. For more information, refer to *"Editing Bookmarks"* on page 139.
   - **Add shortcut to home**: Adds a shortcut to the bookmarked webpage to your phone's Home screen.
   - **Share link**: Allows you to share a URL address using many different options.
   - **Copy link URL**: Allows you to copy the URL address to use in a message.
   - **Delete bookmark**: Allows you to delete a bookmark. For more information, refer to *"Deleting Bookmarks"* on page 139.
   - **Set as homepage**: Sets the bookmark to your new homepage.

Adding Bookmarks

1. From any webpage, tap ➔ .
2. Use the on-screen keypad to enter the Name, Address, and the Folder.
3. Tap **Save**.
4. **Saved to bookmarks** will appear at the bottom of the page.

Editing Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to edit.
2. Tap **Edit bookmark**.
3. Use the on-screen keypad to edit the Name, Address, and the Folder.
4. Tap **Save**.

Deleting Bookmarks

1. From the Bookmarks page, tap and hold the bookmark you want to delete.
2. Tap **Delete bookmark**.
3. At the **Delete** confirmation window, tap **OK**.

Emptying the Cookies

A cookie is a small file which is placed on your phone by a website during navigation. In addition to containing some site-specific information, it can also contain some personal information (such as a username and password) which can pose a security risk if not properly managed. You can clear these cookies from your phone at any time.

1. From the Home webpage, press ➔ **Settings** ➔ **Privacy and security** ➔ **Clear all cookie data**.
2. At the **Clear** prompt, tap **OK** to delete the cookies or tap **Cancel** to exit.

Using your History

The History list provides you with a list of the most recently visited websites. These entries can be used to return to previously unmarked web pages.

1. From the Home webpage, tap ➔ **History** tab.
   A list of your most recently visited websites is displayed with Name and URL address.
2. Tap on a category such as **Today**, **Last 7 days**, or **Most visited**.
3. Tap any entry to display the webpage.
4. Press ➔ **Clear history** to delete the History list.

Saved Pages

The Saved pages list provides you with a list of the websites that you have saved.

1. From the Home webpage, tap ➔ **Saved pages** tab.
   A list of your saved webpages is displayed with Name and URL address. The webpages that have been visited the most will appear at the top.
2. Tap any entry to display the webpage.

Browser Settings

To make adjustments in your browser settings, follow these steps:

1. Tap **Browser** ➔ ➔ **Settings**.
2. The following options are available:

General

- **Set home page**: Sets the current home page for the Web browser.
- **Form auto-fill**: allows you to fill in web forms with a single tap.
- **Auto-fill text**: allows you to enter text to be used in the Form auto-fill feature.

Privacy and security

- **Clear cache**: Deletes all currently cached data. Tap **OK** to complete the process.
- **Clear history**: Clears the browser navigation history. Tap **OK** to complete the process.
- **Show security warnings**: Notifies you if there is a security issue with the current website.
- **Accept cookies**: Allows sites, that require cookies, to save and read cookies from your device.
- **Clear all cookie data**: Deletes all current browser cookie files.
- **Remember form data**: Allows the device to store data from any previously filled out forms. Remove the checkmark to disable this function.
- **Clear form data**: Deletes any stored data from previously filled out forms. Tap OK to complete the process.
- **Enable location**: Allows websites to request access to your location.
- **Clear location access**: Clears location access for all websites. Tap **OK** to complete the process.
- **Remember passwords**: Stores usernames and passwords for visited sites. Remove the checkmark to disable this function.
- **Clear passwords**: Deletes any previously stored usernames or passwords. Tap **OK** to complete the process.
- **Enable notifications**: Allows website notifications. Select Always on, On demand, or Off.
- **Clear notifications**: Deletes website notification access information.

Accessibility

- **Force zoom**: allows you to override the website's request to control zoom.
- **Text size**: allows you to preview the text size, scale the text size using a slider bar, set the zoom amount on double tap, and minimize the font size using a slider bar.
- **Inverted rendering**: allows you to preview a website page, select Inverted rendering (black becomes white and vice versa), and adjust the Contrast using a slider bar.

Advanced

- **Select search engine**: allows you to set your default search engine to Google, Yahoo!, or Bing.
- **Open in background**: New pages are launched in a separate page and displayed behind the current one. Remove the checkmark to disable this function.

- **Enable JavaScript**: Enables Javascript for the current Web page. Without this feature, some pages may not display properly. Remove the checkmark to disable this function.
- **Enable plug-ins**: Allows the download of plug-ins such as Adobe Flash.
- **Default storage**: Allows you to set your default storage to Phone or Memory Card.
- **Website settings**: View advanced settings for individual websites.
- **Show toolbar**: Displays the toolbar at the bottom of the screen.
- **Default zoom**: Adjusts the zoom feature. Set to Far, Medium, or Close.
- **Open pages in overview**: Shows an overview of newly opened web pages.
- **Auto-fit pages**: Allows web pages to be resized to fit as much of the screen as possible.
- **Block pop-ups**: Prevents popup advertisement or windows from appearing onscreen. Remove the checkmark to disable this function.
- **Text encoding**: Adjusts the current text encoding.
- **Reset to default**: Clears all browser data and resets all settings to default.

Bandwidth management

- **Preload search results**: Allows the browser to preload high confidence search results in the background to help speed up searches.
- **Load images**: Allows web page images to be loaded along with the other text components of a loaded website.

Labs

- **Quick controls**: allows you to open quick controls and hide the app and URL bars by swiping your thumb from the left or right edge of the screen.
- **Full screen**: allows you to access Full screen mode and hide the status bar.

Wi-Fi

About Wi-Fi

Wi-Fi (short for "wireless fidelity"and sometimes referred to as wifi) is a term used for certain types of Wireless Local Area Networks (WLAN). These device types use an 802.11 wireless specification to transmit and receive wireless data. Wi-Fi communication requires access to an existing and

accessible Wireless Access Point (WAP). These WAPs can either be Open (unsecured) as within most Hot Spots, or Secured (requiring knowledge of the Router name and password).

Turning Wi-Fi On

By default, your device's Wi-Fi feature is turned off. Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi ON .

Connect to a Wi-Fi Network

1. From the Home screen, tap ➔ **Settings** ➔ **Wi-Fi**. The network names and security settings (Open network or Secured with WEP) of detected Wi-Fi networks are displayed in the Wi-Fi networks section.
2. Tap the network you want to connect to.

Note: When you select an open network, you will be automatically connected to the network.

3. Enter a wireless password if necessary.

Manually add your new network connection

1. Tap **Add Wi-Fi network**.
2. Enter the **Network SSID**. This is the name of your Wireless Access Point.
3. Tap the **Security** field and select a security option. This must match the current security setting on your target WAP.
4. If secured, you will also need to enter your WAP's password.
5. Tap **Save** to store the new information and connect to your target WAP.

Note: The next time your device connects to a previously accessed or secured wireless network, you are not prompted to enter the WAP key again, unless you reset your device back to its factory default settings.

Turning Wi-Fi Off

1. From the Home screen, tap ➔ **Settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi field, to turn Wi-Fi OFF .

Note: Use of wireless data connections such as Wi-Fi and Bluetooth can cause an added drain to your battery and reduce your use times.

Manually Scan for a Wi-Fi Network

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap **Scan**.

   All available Wi-Fi networks are displayed.

Wi-Fi Status Indicators

The following icons show your Wi-Fi connection status at a glance:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

Displays when Wi-Fi is active but there is a communication issue with the target Wireless Access Point (WAP).

Displays when connected to another device using Wi-Fi Direct. For more information, refer to *"Wi-Fi Direct"* on page 144.

Wi-Fi Advanced Settings

The Advanced Wi-Fi menu allows you to set up many of your device's Wi-Fi service, including:

- Network notification when an open network is available
- Setting your Wi-Fi sleep policy
- Checking for Wi-Fi Internet service
- Automatically connecting to an AT&T Wi-Fi hotspot when detected
- Specifying your Wi-Fi frequency band
- Viewing your device's MAC and IP Address

To access the Advanced Wi-Fi menu:

1. From the Home screen, tap → **Settings** → **Wi-Fi**.
2. Tap **Advanced**.

For more information, refer to *"Advanced Wi-Fi Settings"* on page 104.

Wi-Fi Direct

Wi-Fi Direct allows device-to-device connections so you can transfer large amounts of data over a Wi-Fi connection.

Note: See your service plan for applicable charges for Wi-Fi Direct.

1. From the Home screen, tap ➔ **Settings** ➔ **More settings**.
2. Tap the ON/OFF slider, located to the right of the Wi-Fi Direct field, to turn Wi-Fi Direct ON .
3. From the Settings screen, tap **Wi-Fi Direct**.
4. Repeat **steps 1 - 4** on the other device you want to connect with. The steps on a different model of phone, may be different.
5. On your phone, tap **Scan**.
   The device scans for other Wi-Fi Direct devices.
6. Once the device you want to connect to is displayed, tap on it.
7. The other device has 2 minutes to tap **Accept** for the connection to be made.
8. Once connected, the other device will show as **Connected** in your list of Wi-Fi Direct devices and the icon will display at the top of your screen.
9. To change your Device name, press ➔ **Device name**.
10. For additional information about Wi-Fi Direct, press ➔ **Help**.

Sharing Information with Connected Device

To share Videos, Photos, or other information with the connected device, follow these steps:

1. View the information that you want to share. For example, if you want to share a photo, find the photo in your camera viewer or **My Files** folder, then tap the **Share, Share via,** or **Send via** option.
2. Tap the **Wi-Fi Direct** option.
3. Tap the connected device name. For example, Android_49ba.
4. The other device will receive a prompt to receive the information and must tap **Accept**.
5. The file is transferred and the other device will receive a screen notification that a Wi-Fi file has been received. The file can be found in **My files** ➔ **SD card** in the **ShareViaWifi** folder.

Note: Depending on the other device model, the prompts and shared folder information may differ.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

1. From the Home screen, tap ➔ **AT&T Smart Wi-Fi** .
2. Read the License Agreement and tap **Accept** to continue.
3. At the Welcome screen, tap **OK**.
4. At the Initial Setting screen, tap **Yes** if you want AT&T Smart Wi-Fi to automatically connect to any hotspot that is available for public use. Otherwise, tap **No**.
5. Follow the onscreen instructions to use AT&T Wi-Fi.
6. For more information on how to use this application, go to www.att.com/smartwifi.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam. To activate NFC on your device, see *"NFC"* on page 109.

Android Beam

When Android Beam is activated, you can beam application content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more. For more information, refer to *"Android Beam"* on page 109.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together. You can beam images and videos from your Gallery, music files from your Music Player, and more. For more information, refer to *"S Beam"* on page 110.

Bluetooth

About Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car kits, and Bluetooth-enabled handhelds, computers, printers, and wireless devices. The Bluetooth communication range is usually up to approximately 30 feet.

Turning Bluetooth On and Off

To turn Bluetooth on:

1. From the Home screen, tap → **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth ON . When active, appears within the Status area.

To turn Bluetooth off:

1. From the Home screen, tap → **Settings**.
2. Tap the ON/OFF slider, located to the right of the Bluetooth field, to turn Bluetooth OFF .

Bluetooth Status Indicators

The following icons show your Bluetooth connection status at a glance:

Displays when Bluetooth is active.

Displays when Bluetooth is connected (paired) and communicating.

Displays briefly when Bluetooth is on but is not connected to a Bluetooth device.

Bluetooth Settings

The Bluetooth settings menu allows you to set up many of the characteristics of your device's Bluetooth service, including:

- Entering or changing the name your device uses for Bluetooth communication and description
- Setting your device's visibility (or "discoverability") for other Bluetooth devices
- Displaying your device's Bluetooth address

To access the Bluetooth Settings menu:

1. From the Home screen, tap → **Settings**.
2. Verify your Bluetooth is ON .
3. Tap **Bluetooth**.

To change your Bluetooth name:

1. From the Bluetooth settings page, press → **Device name**.
2. Enter a new name.
3. Tap **OK** to complete the rename process.

To make your device visible:

1. From the Bluetooth settings page, press → **Visible time-out**.

- Making your device visible allows it to be detected by other devices for pairing and communication.

2. Select a time that you would like your device visibility to time-out.

To show received files:

- From the Bluetooth settings page, press → **Received files**.

  A list of all files received from Bluetooth is displayed.

To scan for Bluetooth devices:

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap **Scan** to search for visible external Bluetooth-compatible devices such as headsets, devices, printers, and computers.

Pairing Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device. When you pair devices, they share a passkey, allowing for fast, secure connections while bypassing the discovery and authentication process.

To pair your device with another Bluetooth device:

1. Verify your Bluetooth is active.
2. Tap **Scan**. Your device will display a list of discovered in-range Bluetooth devices.
3. Tap a device from the list to initiate pairing.
4. Enter the passkey or PIN code, if needed, and tap **OK**.
5. The external device will then have to also accept the connection and enter your device's PIN code.

   Once successfully paired to an external device, appears within the Status area.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Note: Pairing between two Bluetooth devices is a one-time process. Once a pairing has been created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode again.

Disconnecting a paired device

Disconnecting a paired device breaks the connection between the device and your phone, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap the previously paired device (from the bottom of the page).
3. Tap **OK** to confirm disconnection.

Note: Disconnections are manually done but often occur automatically if the paired device goes out of range of your phone or it is powered off.

Deleting a paired device (unpair)

Deleting a device from your list removes its "connection record" and upon reconnection would require that you re-enter all the previous pairing information.

1. Verify your Bluetooth is active.
2. From the Bluetooth settings page, tap next to the previously paired device. This opens the connected device's menu options.
3. Tap **Unpair** to delete the paired device.
4. Tap **Rename** to change the name of the paired device.
5. Tap **Call audio** to enable or disable call audio from the paired device.
6. Tap **Media audio** to enable or disable media audio from the paired device.

Sending Contacts via Bluetooth

Depending on your paired devices' settings and capabilities, you may be able to send pictures, Contact information, or other items using a Bluetooth connection.

Note: Prior to using this feature, Bluetooth must first be enabled, and the recipient's device must be visible.

1. Verify your Bluetooth is active.
2. From the Home screen, tap → **Contacts** .
3. Press → **Import/Export** → **Send namecard via**.
4. Tap each contact that you would like to send via Bluetooth. A green checkmark will appear next to each entry you select.
5. Tap **Done**.
6. Tap **Bluetooth**.

7. Select the paired device to send the contacts to.

Note: The external Bluetooth device must be visible and communicating for the pairing to be successful.

8. A Bluetooth share notification will appear in your notifications list.

PC Connections

You can connect your device to a PC using your PC data cable using various USB connection modes.

Storage: allows you to use the onboard storage capacity of the phone to store and upload files. This option allows your computer to detect the phone as a removable storage drive.

Kies air: this application allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network.

Kies: allows you to manage music, movies and photos. You can also backup precious contacts and calendars, download apps and podcasts and automatically upgrade device firmware. Kies conveniently syncs your life across all your devices.

Note: To sync your device to your PC, it is highly recommended that you install Samsung Kies which is available at http://www.samsung.com/kies (for Windows/ Mac).

Note: If you are a Windows XP user, ensure that you have Windows XP Service Pack 3 or higher installed on your computer. Also, ensure that you have Samsung Kies 2.0 or Windows Media Player 10 or higher installed on your computer.

Connecting as a Storage Device

You can connect your device to a PC as a removable disk and access the file directory. If you insert a memory card in the device, you can also access the files directory from the memory card by using the device as a memory card reader.

Note: The file directory of the memory card displays as a removable disk, separate from the internal memory.

1. Connect the USB cable to the device and connect the cable to the computer. After a few seconds, a pop-up window displays on the PC when connected.
2. On the PC pop-up, click **Open device to view files**.
3. Copy files from the PC to the memory card.

Kies air

Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. You can view and share call logs, videos, photos, music, bookmarks, ringtones, and even send SMS messages from your PC.

To use the Kies air, follow these steps:

1. Sign onto the same Wi-Fi network from your phone and from your PC.
2. On your phone, from the Home screen, tap → **Kies air**.
3. From the Kies air homescreen, tap **Start**.

   A web URL is displayed on your phone screen.
4. From your PC, enter the URL in your web browser.
5. On your phone, an Access Request prompt is displayed. Tap **Allow** to continue.
6. Tap the **Remember for today** checkbox if you will be using Kies air with the same PC later.
7. From your PC, a security warning may be displayed asking if you want to run this application. Click **Run** to continue.
8. On your PC, the Kies air screen is displayed. On your phone, the icon appears at the top of your screen.
9. Follow the on-screen instructions to view and share information between your phone and PC.
10. To exit the Kies air application, tap **Stop** on your phone, then close out the web browser on your PC.

NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam. For information on NFC and NFC related features, see *"NFC"* on page 109.

Section 10: Applications

This section contains a description of each application that is available in the Apps Menu, its function, and how to navigate through that particular application. If the application is already described in another section of this user manual, then a cross reference to that particular section is provided.

Tip: To open applications quickly, add the icons of frequently-used applications to one of the Home screens. For details, see *"Customizing Your Home Screen"* on page 32.
You can also add an application icon as a Primary Shortcut that will display on all Home screens. If you add an application as a primary shortcut, the application icon will not be displayed in the Apps menu. For more information, refer to *"Adding and Removing Primary Shortcuts"* on page 33.

Amazon Kindle

This application allows you to download books, magazines, and newspapers to read on your phone.

1. From the Home screen, tap ➔ **Amazon Kindle** .
2. At the Kindle display, tap **Get Kindle for Android**.
3. Sign on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.

Follow the on-screen instructions to download the application from the Play Store.

AT&T Code Scanner

AT&T Code Scanner allows you to scan two-dimensional (QR and datamatrix codes) and one-dimensional (UPC and EAN) barcodes found in magazines, stores, and online.

1. From the Home screen, tap ➔ **AT&T Code Scanner** .

Note: The first time you use the AT&T Code Scanner, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to *"Play Store"* on page 171.

2. Sign on to your Google account if you are not already signed on. For more information, refer to *"Creating a New Google Account"* on page 12.

3. Read the Terms and Conditions and tap **Accept** to continue.
4. At the My Profile screen, tap **OK** to allow your location information to be used or tap **Don't Allow** to bypass.
5. Enter your information in the My Profile section.
6. Tap **ON** to activate your profile. This allows the application to customize your results. For example, your zip code may help to deliver a coupon for a restaurant in your neighborhood. You can toggle the activation button between ON and OFF.
7. Tap **Done**.
8. Read the tutorial and tap **Next** until you are at the end of the tutorial. Tap **Finish**.
9. Position your phone approximately 2-5 inches from the barcode. Ensure that the barcode is completely within the window. Keep your phone steady for best results.
10. The scanner will automatically scan the barcode. It may take several seconds.
11. After the scan, tap **Yes** to open the web page to view the information on the barcode that was scanned.

AT&T FamilyMap

AT&T FamilyMap provides peace of mind by being able to conveniently locate a family member from your wireless phone or PC and know that your family's location information is secure and private.

1. From the Home screen, tap ➔ **AT&T FamilyMap** .

Note: The first time you use AT&T Family Map, you will need to download the application from the Market. For more information, refer to *"Play Store"* on page 171.

2. At the AT&T FamilyMap Sign In webpage, enter your Phone Number and Password in the appropriate fields and tap **Submit**.

Note: To sign up for service, visit http://www.att.com/familymap for more information.

3. Follow the on-screen instructions.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place; the AT&T cloud. For more information, refer to *"AT&T Locker"* on page 76.

AT&T Navigator

AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches.

Important! You must have a data plan to use this feature.

Note: These services require the purchase of a subscription.

To launch the AT&T Navigator application, follow these steps:

1. From the Home screen, tap ➔ **AT&T Navigator** .
2. Read the **Terms of Service** and tap **Accept** to acknowledge the terms of use.

   The first time that you use AT&T Navigator, the necessary files will be downloaded. The AT&T Navigator main screen displays.
3. Tap an AT&T Navigator plan that you choose to purchase.
4. Follow the on-screen instructions.

AT&T Ready2Go

AT&T Ready2Go allows you to quickly and easily setup your phone by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features. For more information, refer to *"Setting up your Phone with Ready2Go"* on page 11.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, maximize your data, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use. For more information, refer to *"AT&T Smart Wi-Fi"* on page 146.

Browser

Open the web browser to start surfing the web. The browser is fully optimized and comes with advanced functionality to enhance the Internet browsing feature on your phone. For more information, refer to *"Internet"* on page 136.

Calculator

With this feature, you can use your phone as a calculator. The calculator provides the basic arithmetic functions; addition, subtraction, multiplication, and division. The Calculator also keeps a history of recent calculations.

1. From the Home screen, tap ➔ **Calculator** .
2. Enter the first number using the on-screen numeric keys.
3. Enter the operation for your calculation by tapping the corresponding on-screen arithmetic function key.
4. Enter the second number.
5. To view the result, tap equals (**=**).
6. To view calculator history, tap located at the top of the calculator buttons. A history of your past calculations is displayed. Tap again to display the calculator keypad.
7. To clear the calculator history, press ➔ **Clear history**.
8. To change the text size, press ➔ **Text size**. Tap Small, Medium, or Large.

Calendar

With the Calendar feature, you can consult the calendar by day, week, or month, create events, and set an alarm to act as a reminder, if necessary.

To access the Calendar:

1. From the Home screen, tap ➔ **Calendar** .
2. Tap (**Show More**) to display these tabs:
   - **Year**: displays the Year view.
   - **Month**: displays the Month view.
   - **Week**: displays the Week view.
   - **Day**: displays the Day view.
   - **List**: displays the List view.
   - **Task**: allows you to search for tasks.
3. Tap (**Create event**) to create a new Calendar event.
4. Tap **Today** to display the current date indicated by a blue box.

5. Tap **Calendars** to select the calendar options that you want displayed.
6. Press and select one of the following options:
   - **Go to**: displays a specific date.
   - **Delete**: allows you to delete All events, All events before today, or an individual event.
   - **Search**: allows you to search within your current events.
   - **Sync**: allows you to synchronize your calendar with one or all of your accounts. This option only appears when an account has been opened.
   - **Settings**: displays a list of configurable settings.

Calendar Settings

1. From any Calendar view, press → **Settings**.
2. Tap **Week view** and select a type: **Timeline** or **Analog**.
3. Tap **First day of week** and select either **Local default, Saturday, Sunday** or **Monday**.
4. Tap **Hide declined events** to activate this option. A check mark indicates selection.
5. Tap **Lock time zone** (to lock event time based on your current user-selected time zone). Select a time zone from within the **Select time zone** field.
6. Tap **Show week number** to display the week numbers along the side of the week entries.
7. Tap **Calendars** and select the type of general synchronization settings you want. A check mark indicates selection.
8. Tap **Set alerts & notifications** to adjust the event notification method. Choose from: **Alert**, **Status bar notification**, and **Off**.
9. Tap **Select ringtone** to assign a ringtone to a calendar event notification.
10. Tap **Vibration** to set the Event notification tone to vibrate.
11. Tap **Default reminder time** to assign a default time frame for event reminders.
12. Tap **Notifications while screen is off** to display notifications on the full screen while it is turned off.
13. Tap **Sync events/tasks** to select those calendar events and task to sync based on current accounts.

14. Tap **Swipe with two fingers** to change the way events are displayed when swiped.

Camera

Use your 5.0 Megapixel camera feature to produce photos in a JPEG format. Your phone also functions as a Camcorder to take videos. For more information, refer to *"Camera"* on page 85.

ChatON

With the ChatON application, you can interact with friends and family with text, images, hand-written notes and video shared instantly. You can chat in groups, while a Web client will allow the easy sharing of content and conversations between your phone and PC. For more information, refer to *"ChatON"* on page 103.

Clock

The Clock application allows you to access alarms, view the World Clock, set a stopwatch, use a timer, and set up a Desk Clock.

Alarm

This feature allows you to set an alarm to ring at a specific time.

1. From the Home screen, tap ➔ **Clock** ➔ **Alarm** ➔ **Create alarm** . The following options display:
   - **Time**: tap (**Up**) or (**Down**) to set the new time for the alarm to sound. Tap AM or PM.
   - **Alarm repeat**: use this option to set the repeating status for the alarm by tapping one the days that you want the alarm to sound. Tap the Repeat weekly checkbox to have the alarm repeat weekly.
   - **Alarm type**: sets the way in which the alarm sounds when activated (Melody, Vibration, Vibration and melody, and Briefing).
   - **Alarm volume**: drag the slider to adjust the alarm's volume.
   - **Alarm tone**: sets the sound file which is played when the alarm is activated. Select **Sounds** or **Go to My files**.
   - **Snooze**: use this option to set a Duration (3, 5, 10, 15, or 30 Minutes) and Snooze repeat (1, 2, 3, 5, or 10 Times). Tap the ON/OFF slider to activate.

- **Smart alarm**: tracks body movements and calculates the best time for sounding the alarm. Place the phone somewhere on your bed then the phone's movement sensor (also known as accelerometer) is sensitive enough to work from any part of the bed. Set the Duration and the Tone. Tap the ON/OFF slider to activate.
- **Name**: allows you to use a specific name for the alarm. The name will appear on the display when the alarm activates.

2. Tap **Save** to store the alarm details.

Turning Off an Alarm

- To stop an alarm when it sounds, touch and sweep the icon to the right.

Setting the Snooze Feature

- To activate the Snooze feature after an alarm sounds, touch and sweep the icon to the left. Snooze must first be set in the alarm settings. For more information, refer to *"Alarm"* on page 157.

Deleting Alarms

To delete an alarm, follow these steps:

1. From the Home screen, tap ➔ **Clock** ➔ **Alarm** ➔ ➔ **Delete**.
2. Tap the alarm or alarms you wish to delete. A green checkmark will appear next to each selection. Tap **Select all** to delete all alarms.
3. Tap **Done**.

World Clock

World Clock allows you to view the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

1. From the Home screen, tap ➔ **Clock** ➔ **World clock**. The clock for your time zone is displayed.
2. Tap **Add city** to add another city to the World Clock.
3. Scroll through the list of cities to find the city you want to add, or tap the Search bar and use the keypad to enter a city to search for.
4. Tap the city you want to add. The clock for that city will display.
5. To set Daylight Savings time, press and hold a city, then tap **DST settings**.
6. Select **Automatic**, **Off**, or **1 hour**.

7. If Daylight Savings Time is selected, the sun symbol on the World Clock listing will appear orange.

Deleting a World Clock Entry

1. From the Home screen, tap ➔ **Clock** ➔ **World clock** ➔ ➔ **Delete**.
2. Tap the city clocks you wish to delete.
3. Tap **Delete**.

Stopwatch

You can use this option to measure intervals of time.

1. From the Home screen, tap ➔ **Clock** ➔ **Stopwatch**.
2. Tap **Start** to start the stopwatch and tap **Lap** to mark a unit of time per lap.
3. Tap **Stop** to stop the stopwatch.
4. Tap **Restart** to continue or tap **Reset** to erase all times recorded.

Timer

You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

1. From the Home screen, tap ➔ **Clock** ➔ **Timer**.
2. The **Minutes** field is highlighted and set to 1 minute. Use the keypad to set the number of minutes you want.
3. Tap the **Hours** field to set hours if desired. As you tap different fields, they will become highlighted.
4. Tap the **Seconds** field to set seconds.
5. Tap **Start** to begin the timer and tap **Stop** to pause the timer.
6. After stopping, tap **Restart** to continue or tap **Reset** to set the timer back to the original setting.

Desk clock

You can use the Desk clock when you have a desk dock and you want your phone to display the time, day, date, location, and weather conditions when it is docked.

1. From the Home screen, tap ➔ **Clock** ➔ **Desk clock**.

   The default Desk clock is displayed.
2. Tap to display the Desk clock in full-screen mode.
3. To make changes, tap ➔ **Settings**.

4. The following options are displayed while in full-screen mode:
   - **Hide status bar**: when this is checked, the status bar is hidden from view.
   - **Wallpaper**: tap to select Desk clock wallpaper from Default, Gallery, or Same as home screen.
   - **Time/Calendar display**: when this is checked, the time, day, and date is displayed. Tap to uncheck.
   - **AccuWeather**: when this is checked, the location, temperature, and weather condition is displayed. Tap to uncheck.
   - **Brightness**: sets your Desk clock brightness by dragging the slider bar to the desired level.
   - **Dock**: allows you to set your Dock settings such as Dock sound, Audio output mode, and Desk home screen display.

Contacts

You can manage your daily contacts by storing their name and number in your Address Book. Address Book entries can be sorted by name, entry, or group.

You can also synchronize your phone Address Book with AT&T Address Book, the network backup service.

For more information, refer to *"Contacts and Your Address Book"* on page 63.

DeviceHelp

DeviceHelp provides online information to help with your device questions.

1. From the Home screen, tap ➔ **DeviceHelp** .
   The **AT&T Device Help** screen is displayed.
2. Follow the on-screen instructions for accessing helpful information.

Downloads

The Downloads application allows you to manage all of your downloads from the Play Store and the Browser.

1. From the Home screen, tap ➔ **Downloads** .
   All of your downloads are listed.
2. Tap the **Internet downloads** tab to see all of the downloads you have made from the Browser.
3. Tap the **Other downloads** tab to see all other downloads.
4. Tap **Sort by size** to see your downloads sorted in size order.

5. Tap **Sort by date** to see your downloads sorted in time order.

Email

Email enables you to review and create email using various email services. You can also receive text message alerts when you receive an important email. For more information, refer to *"Using Email"* on page 98.

Gallery

The Gallery is where you view photos and play back videos. For photos, you can also perform basic editing tasks, view a slideshow, set photos as wallpaper or contact image, and share as a picture message. For more information, refer to *"Gallery"* on page 84.

Gmail

Gmail is a web-based email service. Gmail is configured when you first set up your phone. Depending on your synchronization settings, Gmail can automatically synchronize with your Gmail account on the web. For more information, refer to *"Using Gmail"* on page 100.

Google +

Google+ makes messaging and sharing with your friends a lot easier. You can set up Circles of friends, visit the Stream to get updates from your Circles, use Messenger for fast messaging with everyone in your Circles, or use Instant Upload to automatically upload videos and photos to your own private album on Google+. For more information, refer to *"Google +"* on page 102.

Kies air

Kies air allows you to sync your Windows PC wirelessly with your phone provided they are both on the same Wi-Fi network. For more information, refer to *"Kies air"* on page 151.

Latitude

With Google Latitude, you can see the location of all of your friends on a map or on a list. You can also share or hide your location.

You must first set up your phone to use wireless networks to help pinpoint your location. Also, Latitude works best when Wi-Fi is enabled.

1. Log on to your Google account. For more information, refer to *"Creating a New Google Account"* on page 12.

2. From the Home screen, tap ➔ **Latitude** .
   Your location is displayed on the map, accurate to 40 meters.

Sharing your Location with Friends

1. From the Latitude map screen, tap **FRIENDS LIST** to display your Latitude friends. At first, only your name is displayed.
2. Tap .
3. Tap **Select from Contacts** or **Add via email address**.
4. Tap a contact or enter an email address and tap **Add friends**.
5. At the **Send sharing requests** prompt, tap **Yes**.
   Your friend will receive an email or text message with your location marked on a map. They will also receive instructions on how to view your location from the web or use Latitude on their phone or tablet provided it is available. Once they acknowledge your request, their location will display on your phone. They can share their location from their computer, phone, or tablet. For more information, go to http://www.google.com/latitude.
6. To view the map, tap **MAP VIEW**.

Latitude Options

- From the map display, press to display the following options:
  - **Clear Map**: allows you to remove all markings and layers from the map.
  - **Make available offline**: allows you to save a selected area to you My places folder where you can view it later.
  - **Search**: allows you to search for a place of interest.
  - **Directions**: displays navigation directions to a location from a starting point.
  - **Layers**: Layers are additional items that you can have displayed on your map. They include Traffic, Satellite, Terrain, Transit Lines, Latitude, My Maps, Bicycling, and Wikipedia.
  - **Settings**: the following Latitude options are available:
    - **Display**: allows you to display the Zoom Buttons and Scale Bar on the screen.
    - **Offline and cache**: allows you to set options to pre-fetch map tiles when not using WiFi and to clear the cache that holds the map tiles.

– **Location settings**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.

– **Labs**: this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.

– **What's New**: allows you to see the latest changes in Play Store and update your app.

– **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.

– **Feedback**: allows you to send feedback to Google.

– **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, o r Legal Notices information. Select the desired information from the pop-up menu.

- **Help**: displays the Google Mobile Help web page where you can receive help on Google Maps.

Live TV

Live TV is a subscription service that allows you to watch your favorite TV shows using your handset. For more information, refer to *"Live TV"* on page 76.

Local

Local is an application that uses Google Maps and your location to help you find Restaurants, Cafes, Bars, Attractions, and other businesses. You can also add your own locations.

1. From the Home screen, tap ➔ **Local** .
2. Tap on one of the business categories to search for a particular business.

   All of the business categories that are close to you will be displayed.
3. Tap on a business that you want to see the details for.
4. The business details such as address, phone, website, and location are displayed. You can also see reviews from around the web and from Google users.

Maps

Depending on your location, you can view basic, custom, and satellite maps and local business information, including locations, contact information, and driving directions. You can also post public messages about a location and track your friends.

Important! Before using Google Maps you must have at least an active data (3G) connection. The Maps application does not cover every country or city.

Enabling a Location Source

Before you use Google Maps and find your location or search for places of interest, you must enable a location source. To enable the location source you must enable the wireless network, or enable the GPS satellites.

1. From the Home screen, tap ➔ **Settings** ➔ **Location services**.
2. Tap the **Use GPS satellites** field. A green checkmark will display next to the field.

Note: Selecting **Use GPS satellites** allows you to locate places of interest at the street-level. However, this also requires a clear view of the sky and uses more battery power.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Using Maps

1. From the Home screen, tap ➔ **Maps** .

   A map will display with your location in the very center.
2. Press to display the following options:
   - **Clear Map**: allows you to remove all markings and layers from the map.
   - **Make available offline**: allows you to save a selected area to you My places folder where you can view it later.
   - **Settings**: the following Map options are available:
     - **Display**: allows you to display the Zoom Buttons and Scale Bar on the screen.
     - **Offline and cache**: allows you to set options to pre-fetch map tiles when not using WiFi and to clear the cache that holds the map tiles.
     - **Location settings**: allows you to manage the settings for your Background location reporting, Location history, Latitude location sharing, and Check-ins.

– **Labs**: this is a testing ground for experimental features that aren't ready for primetime. They may change, break or disappear at any time. Click on a Lab to enable or disable it.
– **What's New**: allows you to see the latest changes in Play Store and update your app.
– **About**: displays general information about Google maps such as Version, Platform, Locale, Total data sent, Total data received, Free memory, etc.
– **Feedback**: allows you to send feedback to Google.
– **Terms, Privacy & Notices**: displays the Terms and Conditions, Privacy Policy, o r Legal Notices information. Select the desired information from the pop-up menu.

- **Help**: displays the Google Mobile Help web page where you can receive help on Google Maps.

Media Hub

Samsung Media Hub is your one stop for the hottest movie and TV content. You can rent or purchase your favorite content and watch from the convenience of anywhere. For more information, refer to *"Media Hub"* on page 77.

Memo

This feature allows you to create a memo and send it via Bluetooth, Email, Messaging, or Wi-Fi Direct.

1. From the Home screen, tap ➔ **Memo** .
2. To create a new memo, tap .
3. Type your Memo using the keypad and tap **Save**.
   The memo will display in the memo list.
4. To send a Memo, touch and hold the Memo in the Memo list.
5. Tap **Send**.
6. Tap **Bluetooth**, **ChatON**, **Email**, **Messaging**, or **Wi-Fi Direct**.
7. Enter the recipient information and tap **Send**.
8. To modify a Memo, tap the pencil icon in the top right corner of the Memo. Edit the Memo then tap **Save**.
9. From the Memo list, press to display the following options:
   - **Search**: allows you to search your memos for a particular word or words.
   - **Delete**: allows you to delete one or all of your memos.

- **Send**: allows you to send one or several of your memos at one time. You can send via Bluetooth, Email, Messaging, or Wi-Fi Direct.
- **Sort by**: allows you to sort by Date or Color.
- **Sync memo**: allows you to sync your memos Google Docs or send individual memos.
- **PIN lock**: allows you to set a PIN lock so that a PIN must be entered before reading a memo.

Messages

The AT&T Messages app brings your texts, calls, and voicemail messages together into a single conversation thread and is accessible by phone or computer. For more information, refer to *"Messages App"* on page 102.

Messaging

You can send and receive different types of messages. For more information, refer to *"Messaging"* on page 92.

Messenger

Messenger allows you to bring groups of friends together into a simple group conversation. When you get a new conversation in Messenger, Google+ sends an update to your phone. For more information, refer to *"Messenger"* on page 102.

Mobile Hotspot

This application allows you to share your phones's mobile data connection via USB or as a portable Wi-Fi hotspot. For more information, refer to *"Tethering & portable hotspot"* on page 108.

Music Player

Music Player allows you to play music files that you have stored on your phone and memory card. You can also create playlists. For more information, refer to *"Music Player"* on page 79.

My Files

My Files allows you to manage your sounds, images, videos, bluetooth files, Android files, and other memory card data in one convenient location.

1. From the Home screen, tap ➔ **My files** .
2. Tap **sdcard** to see the contents of your internal SD card.

3. The following folders may display:
   - **Alarms**: this folder contains any alarm files you may have.
   - **Android**: the Android folder stores files that are used in Android applications.
   - **Bluetooth**: this folder stores files sent via a Bluetooth device.
   - **DCIM**: this is the default location for pictures and videos taken by the device. Tap **DCIM** ➔ **Camera** to view the picture or video files. For more information, refer to *"Viewing Pictures"* on page 84. Also, see *"Viewing Videos"* on page 84.
   - **Download**: this folder contains downloads you have made.
   - **Movies**: this folder contains your Video and Movie files.
   - **Music**: this folder contains your Music files.
   - **Notifications**: this folder contains all of the notifications you have received.
   - **Pictures**: this folder contains your photos.
   - **Podcasts**: this folder contains all of your podcasts.
   - **Ringtones**: this folder contains any ringtones you have purchased.
4. If you have an external SD card inserted, tap **extSdcard** to see the contents of your external SD card (memory card).

Note: Different folders may appear depending on how your phone is configured.

myAT&T

The myAT&T application allows you to manage your own AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your rate plan.

Note: The first time you use myAT&T, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update**. For more information, refer to *"Play Store"* on page 171.

Initial Setup

1. From the Home screen, tap ➔ **myAT&T** .
2. Sign into your Google Account. If you haven't set up an account, see *"Creating a New Google Account"* on page 12.
3. After signing into your Google Account, the Play Store displays the **myAT&T** application. Tap the application.
4. Tap **Update**.

5. Follow the on-screen instructions.

Using myAT&T

1. From the Home screen, tap ➔ **myAT&T** . The **myAT&T** page is displayed.
2. Read the Terms and Conditions and tap **Accept** to continue.
3. Enter your **User ID** and **Password** using the onscreen keypad, then tap **Login**.
4. Follow the on-screen instructions.

Navigation

Navigation is an internet-connected GPS navigation system with voice guidance. You can type or speak your destination.

Note: For voice-guided navigation, you need to install text-to-speech support from the Play Store.

To receive better GPS signals, avoid using your device in the following conditions:

- inside a building or between buildings
- in a tunnel or underground passage
- in poor weather
- around high-voltage or electromagnetic fields
- in a vehicle with tinted windows

Launching Navigation

1. From the Home screen, tap ➔ **Navigation** .
2. Read the Navigation information page and tap **Accept** to continue or **Don't accept** to exit.
3. Select one of the following options:
   - **Speak destination**: allows you to speak your destination.
   - **Type destination**: allows you to use the keypad to enter your destination.
   - **Go home**: takes you to your home address. The first time you are prompted to enter it.
   - **Map**: takes you to the map location of your present location using GPS.
   - **Recent Destinations**: allows you to access information on previous destinations you have used. This option only appears after you have entered one or more destinations.

Navigation Options

- The map displays with your location in the center. Press for the following options:
  - **Set Destination**: displays the Choose Destination screen where you can speak or type your destination.
  - **Search**: allows you to speak or type a destination, place, or service to search for.
  - **Layers**: are additional items that you can have displayed on your map. They include:
    - **Traffic view**: displays real-time traffic conditions so you can plan the fastest route.
    - **Satellite**: allows you to see you the map as a satellite image.
    - **Parking**: allows you to see registered parking areas.
    - **Gas stations**: allows you to see registered gas stations.
    - **ATMs & banks**: allows you to see registered ATMs and Banks.
    - **Restaurants**: allows you to see registered restaurants.
  - **Settings**: includes the following options:
    - **Screen Dimming**: set this option to dim the screen between instructions in order to conserve battery power.
    - **Terms, privacy & notices**: displays Terms and Conditions for Google mobile products, the Google Privacy Policy, and Google legal notices.
  - **Exit Navigation**: exits the Navigation application and returns you to the Application Menu screen.
  - **Help**: takes you to the Google Mobile Help web page.

Obtaining Driving Directions

Your phone's built-in GPS hardware allows you to get real-time driving directions to selected locations or establishments based on your current location.

Using a Physical Address

1. From the Home screen, tap ➔ **Navigation** .
2. Tap either **Speak Destination** or **Type Destination**.
3. If typing in the address, enter the address, City, and State using the keypad. As you type, possible addresses will be displayed. Tap on one when you see the address you want.

   The route will be displayed.

4. If speaking the address, the Voice guidance screen is displayed. For voice-guided navigation you need to install text-to-speech support from the Play Store. Tap **Install** to install the application or tap **Skip** to exit.

Note: You will need to be signed on to your Google account before downloading applications from the Play Store. For more information, refer to *"Creating a New Google Account"* on page 12.

5. As you drive the route display will be updated and you will receive voice-guided navigation directions.

Phone

The Phone application allows you to access the dialer keypad, call logs, and favorites. For more information, refer to *"Call Functions"* on page 42.

Play Books

With Google Play Books, you can find more than 3 million free e-books and hundreds of thousands more to buy in the eBookstore.

1. From the Home screen, tap → **Play Books** .
2. Log on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 12.
3. Follow the on-screen instructions for using the Play Books application.

Play Magazines

With Google Play Magazines, you can subscribe to your favorite magazines and have them available to read on your phone at any time or any place.

1. From the Home screen, tap → **Play Magazines** .
2. Log on to your Google account if you have not already done so. For more information, refer to *"Creating a New Google Account"* on page 12.
3. At the Welcome! display, tap the shop icon to browse the full catalog.
4. Read the Google Play Terms of Service and tap **Accept**.
5. Sweep the screen to the left or right to view Categories, Featured, Top Selling, and New Arrivals.
6. Tap a magazine to see more information and subscribe.

7. Follow the on-screen instructions to subscribe to a magazine.

Play Movies & TV

With Google Play Movies & TV, you can rent thousands of different movies and television shows. You can watch instantly, or download your movie or show for offline viewing at a later time. For more information, refer to *"Play Movies & TV"* on page 83.

Play Music

With Google Play Music, you can play music that you have added to your music file as well as any music you copied from your PC. While offline, you can listen to music you have copied from your PC. For more information, refer to *"Google Play Music"* on page 82.

Play Store

Play Store provides access to downloadable applications and games to install on your phone. Play Store also allows you to provide feedback and comments about an application, or flag an application that might be incompatible with your phone.

Before using the Play Store you must have a Google Account. For more information, refer to *"Using Gmail"* on page 100.

1. From the main Home screen, tap **Play Store** .
2. Sign in to your Google account.
3. The first time you sign in, the Play Store Terms of Service will be displayed. Tap **Accept** to continue or **Decline** to exit.
4. Tap **Apps**, **Games**, or **AT&T** to download or purchase games or applications. You can also download updates to existing applications.
5. Follow on the on-screen instructions.

S Suggest

This application provides on-screen recommendations for applications that are specifically supported and made for use on your device.

Note: Access to this feature requires that you already be logged in to your Samsung account application. For more information, refer to *"Creating a Samsung Account"* on page 12.

1. From the Home screen, tap → **S Suggest**.
2. Read the terms and conditions.
3. Place a check mark in the **Agree** field then tap **Agree**.

4. Select an application from one of the available categories (Picks, Categories, Games, Friends, and Info.
5. Follow the on-screen download and installation instructions.

S Voice

With the S Voice application you can use your voice to perform operations that you would normally have to do by hand such as dialing a phone number, texting a message, playing music, etc.

1. From the Home screen, tap ➔ **S Voice** .
2. Read the Samsung Disclaimer then tap **Confirm** to continue.
3. Read the S Voice Terms of Service then tap **Agree** to continue.
4. Read the information on the **About S Voice** screen, then tap **Next**.
5. Read the information on the **Say what you want** screen, then tap **Next**.
6. Read the information on the **Wake up S Voice** screen, then tap **Next**.
7. Read the information on the **Help** screen, then tap **Finish**.
8. At the S Voice screen, say “Hi Galaxy” to wake up S voice.
9. Speak into the phone and follow the on-screen instructions.

Search

The Search application is the same on-screen Internet search engine that is on the Google Search Bar on your main Home screen. For more information, refer to *“Google Search Bar”* on page 27.

Settings

This widget navigates to the sound and phone settings for your phone. It includes such settings as: display, security, memory, and any extra settings associated with your phone. For more information, refer to *“Changing Your Settings”* on page 104.

Talk

Google Talk is a free Windows and web-based application for instant messaging offered by Google. Conversation logs are automatically saved to a Chats area in your Gmail account. This allows you to search a chat log and store them in your Gmail accounts. For more information, refer to *"Google Talk"* on page 101.

Video Player

The Video Player application plays video files stored on your memory card. For more information, refer to *"Video Player"* on page 82.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From the Home screen, tap ➔ **Voice Recorder** .
2. To start recording, tap **Record** and speak into the microphone.
3. During the recording process you can either tap **Stop** to stop and save the recording or **Pause** to temporarily halt the recording. After pausing, tap **Record** to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap **Cancel** to cancel the recording without saving.
4. Tap **List** to display a list of all your voice recordings. Tap a voice recording to play it.
5. Press to display the following options:
   - **Share via**: allows you to share your recording using Bluetooth, Email, Gmail, Messaging, or Wi-Fi Direct.
   - **Delete**: allows you to delete 1 or more voice recordings. Tap the recordings to delete and tap **Delete**.
   - **Rename**: allows you to rename your recordings.
   - **Settings**: the following settings are available:
     - **Storage**: allows you to choose where your recordings will be saved. Select between Phone or memory card.

– **Default name**: allows you to choose the name prefix for your recordings. For example, if your Default name is Voice, your recordings would be named Voice 001, Voice 002, Voice 003, etc.

– **Recording quality**: allows you to set the recording quality to High or Normal.

– **Limit for MMS**: allows you to select On or Off. If you Limit for MMS by selecting On, you will be assured that the recording can be sent in a message.

• **End**: closes the Voice Recorder application.

YouTube

YouTube™ is a video sharing website on which users can upload and share videos. The site is used to display a wide variety of user-generated video content, including movie clips, TV clips, and music videos, as well as video content such as video blogging, informational shorts and other original videos.

Note: YouTube is a data-intensive feature. It is recommended that you upgrade to a large data plan to avoid additional data charges.

1. From the Home screen, tap ➔ **YouTube** .
2. Tap the search field to search for specific videos, scroll down to browse through the main page thumbnails, or scroll to the bottom to explore additional options.
3. To view a video, tap an available preview thumbnail or tap the title link.
4. While viewing a video, tap to share the video via Bluetooth, ChatON, Email, Gmail, Google+, Messaging, or Wi-Fi Direct.

Note: It is not necessary to sign in to the YouTube site to view content. However, if you wish to sign in to access additional options, access the page via the Web browser and tap **Sign in** at the top right corner, enter your YouTube or Google username and password, and tap **Sign in**.

YPmobile

The Yellowpages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. This application allows you to tap into local businesses, locations, and events, connecting you to your search in real-time.

Note: The first time you use YP, you will need to download the updated application from the Play Store. When the Play Store page displays, tap **Update** or **Install** then follow the onscreen instructions. For more information, refer to *"Play Store"* on page 171.

1. From the Home screen, tap → **YPmobile** .
2. Read the End-User License Agreement (EULA) and tap **Accept** to continue.
3. Your location is found using GPS. Tap **OK** to allow YPmobile to use your current location.
4. Tap the **Find a business nearby!** field.
5. Enter information in the **What:** and **Near:** fields and tap **Search**.
6. Results will be displayed.
7. Tap to see the locations marked with pins on the map.
8. Pinch the map screen inwards to zoom out or pinch it outwards to zoom in.
9. Tap a pin to read information about the location.
10. Tap to display additional options.

Section 11: Health and Safety Information

This section outlines the safety precautions associated with using your phone. The terms “mobile device” or “cell phone” are used in this section to refer to your phone. **Read this information before using your mobile device**.

Exposure to Radio Frequency (RF) Signals

The U.S. Food and Drug Administration (FDA) has published information for consumers relating to Radio Frequency (RF) exposure from wireless phones. The FDA publication includes the following information:

Do cell phones pose a health hazard?

Many people are concerned that cell phone radiation will cause cancer or other serious health hazards. The weight of scientific evidence has not linked cell phones with any health problems.

Cell phones emit low levels of Radio Frequency (RF) energy. Over the past 15 years, scientists have conducted hundreds of studies looking at the biological effects of the radio frequency energy emitted by cell phones. While some researchers have reported biological changes associated with RF energy, these studies have failed to be replicated. The majority of studies published have failed to show an association between exposure to radio frequency from a cell phone and health problems.

The low levels of RF cell phones emit while in use are in the microwave frequency range. They also emit RF at substantially reduced time intervals when in the stand-by mode. Whereas high levels of RF can produce health effects (by heating tissue), exposure to low level RF that does not produce heating effects causes no known adverse health effects.

The biological effects of radio frequency energy should not be confused with the effects from other types of electromagnetic energy.

Very high levels of electromagnetic energy, such as is found in X-rays and gamma rays, can ionize biological tissues. Ionization is a process where electrons are stripped away from their normal locations in atoms and molecules. It can permanently damage biological tissues including DNA, the genetic material.

The energy levels associated with radio frequency energy, including both radio waves and microwaves, are not great enough to cause ionization of atoms and molecules. Therefore, RF energy is a type of non-ionizing radiation. Other types of non-ionizing radiation include visible light, infrared radiation (heat), and other forms of electromagnetic radiation with relatively low frequencies.

While RF energy does not ionize particles, large amounts can increase body temperatures and cause tissue damage. Two areas of the body, the eyes and the testes, are particularly vulnerable to RF heating because there is relatively little blood flow in them to carry away excess heat.

Research Results to Date: Is there a connection between RF and certain health problems?

The results of most studies conducted to date say no. In addition, attempts to replicate and confirm the few studies that have shown a connection have failed.

The scientific community at large therefore believes that the weight of scientific evidence does not show an association between exposure to Radio Frequency (RF) from cell phones and adverse health outcomes. Still the scientific community has supported additional research to address gaps in knowledge. Some of these studies are described below.

Interphone Study

Interphone is a large international study designed to determine whether cell phones increase the risk of head and neck cancer. A report published in the International Journal of Epidemiology (June, 2010) compared cell phone usage for more than 5,000 people with brain tumors (glioma and meningioma) and a similar number of healthy controls.

Results of this study did NOT show that cell phones caused brain cancer. In this study, most people had no increased risk of brain cancer from using cell phones. For people with the heaviest use of cell phones (an average of more than ½ hour per day, every day, for over 10 years) the study suggested a slight increase in brain cancer. However, the authors determined that biases and errors prevented any conclusions being drawn from this data. Additional information about Interphone can be found at http://www.iarc.fr/en/media-centre/pr/2010/pdfs/pr200_E.pdf.

Interphone is the largest cell phone study to date, but it did not answer all questions about cell phone safety. Additional research is being conducted around the world, and the FDA continues to monitor developments in this field.

International Cohort Study on Mobile Phone Users (COSMOS)

The COSMOS study aims to conduct long-term health monitoring of a large group of people to determine if there are any health issues linked to long-term exposure to radio frequency energy from cell phone use. The COSMOS study will follow approximately 300,000 adult cell phone users in Europe for 20 to 30 years. Additional information about the COSMOS study can be found at http://www.ukcosmos.org/index.html.

Risk of Brain Cancer from Exposure to Radio Frequency Fields in Childhood and Adolescence (MOBI-KIDS)

MOBI-KIDS is an international study investigating the relationship between exposure to radio frequency energy from communication technologies including cell phones and brain cancer in young people. This is an international multi-center study involving 14 European and non-European countries. Additional information about MOBI-KIDS can be found at http://www.creal.cat/programes-recerca/en_projectes-creal/view.php?ID=39.

Surveillance, Epidemiology, and End Results (SEER) Program of the National Cancer Institute

The National Cancer Institute (NCI) actively follows cancer statistics in the United States to detect any change in rates of new cases for brain cancer. If cell phones play a role in risk for brain cancer, rates should go up, because heavy cell phone use has been common for quite some time in the U.S. Between 1987 and 2005, the overall age-adjusted incidence of brain cancer did not increase. Additional information about SEER can be found at http://seer.cancer.gov/.

Cell Phone Industry Actions

Although the existing scientific data do not justify FDA regulatory actions, the FDA has urged the cell phone industry to take a number of steps, including the following:

- Support-needed research on possible biological effects of RF for the type of signal emitted by cell phones;
- Design cell phones in a way that minimizes any RF exposure to the user; and
- Cooperate in providing users of cell phones with the current information on cell phone use and human health concerns.

The FDA also is working with voluntary standard-setting bodies such as the Institute of Electrical and Electronics Engineers (IEEE), the International Commission on Non-Ionizing Radiation Protection (ICNIRP), and others to assure that safety standards continue to adequately protect the public.

Reducing Exposure: Hands-Free Kits and Other Accessories

Steps to Reduce Exposure to Radio Frequency Energy

If there is a risk from being exposed to radio frequency energy (RF) from cell phones - and at this point we do not know that there is - it is probably very small. But, if you are concerned about avoiding even potential risks, you can take a few simple steps to minimize your RF exposure.

- Reduce the amount of time spent using your cell phone;
- Use speaker mode or a headset to place more distance between your head and the cell phone.

Hands-Free Kits

Hands-free kits may include audio or Bluetooth® headsets and various types of body-worn accessories such as belt-clips and holsters. Combinations of these can be used to reduce RF energy absorption from cell phones.

Headsets can substantially reduce exposure because the phone is held away from the head in the user's hand or in approved body-worn accessories. Cell phones marketed in the U.S. are required to meet RF exposure compliance requirements when used against the head and against the body.

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that hands-free kits reduce risks. Hands-free kits can be used for convenience and comfort. They are also required by law in many states if you want to use your phone while driving.

Cell Phone Accessories that Claim to Shield the Head from RF Radiation

Because there are no known risks from exposure to RF emissions from cell phones, there is no reason to believe that accessories which claim to shield the head from those emissions reduce risks. Some products that claim to shield the user from RF absorption use special phone cases, while others involve nothing more than a metallic accessory attached to the phone.

Studies have shown that these products generally do not work as advertised. Unlike “hands-free” kits, these so-called “shields” may interfere with proper operation of the phone. The phone may be forced to boost its power to compensate, leading to an increase in RF absorption.

Children and Cell Phones

The scientific evidence does not show a danger to any users of cell phones from RF exposure, including children and teenagers. The steps adults can take to reduce RF exposure apply to children and teenagers as well.

- Reduce the amount of time spent on the cell phone;
- Use speaker mode or a headset to place more distance between the head and the cell phone.

Some groups sponsored by other national governments have advised that children be discouraged from using cell phones at all. For example, The Stewart Report from the United Kingdom made such a recommendation in December 2000. In this report, a group of independent experts noted that no evidence exists that using a cell phone causes brain tumors or other ill effects. Their recommendation to limit cell phone use by children was strictly precautionary; it was not based on scientific evidence that any health hazard exists.

Additional information on the safety of RF exposures from various sources can be obtained from the following organizations (updated 10/1/2010):

- FCC RF Safety Program: http://www.fcc.gov/oet/rfsafety/.
- Environmental Protection Agency (EPA): http://www.epa.gov/radtown/wireless-tech.html.
- Occupational Safety and Health Administration (OSHA): http://www.osha.gov/SLTC/radiofrequencyradiation/. (Note: This web address is case sensitive.)
- National Institute for Occupational Safety and Health (NIOSH): http://www.cdc.gov/niosh/.
- World Health Organization (WHO): http://www.who.int/peh-emf/en/.
- International Commission on Non-Ionizing Radiation Protection: http://www.icnirp.de.
- Health Protection Agency: http://www.hpa.org.uk/Topics/Radiation/.

- US Food and Drug Administration: http://www.fda.gov/Radiation-EmittingProducts/RadiationEmittingProductsandProcedures/HomeBusinessandEntertainment/CellPhones/default.htm.

Specific Absorption Rate (SAR) Certification Information

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the exposure limits for Radio Frequency (RF) energy set by the Federal Communications Commission (FCC) of the U.S. Government.

These FCC RF exposure limits are derived from the recommendations of two expert organizations: the National Council on Radiation Protection and Measurement (NCRP) and the Institute of Electrical and Electronics Engineers (IEEE). In both cases, the recommendations were developed by scientific and engineering experts drawn from industry, government, and academia after extensive reviews of the scientific literature related to the biological effects of RF energy.

The RF exposure limit set by the FCC for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate (SAR). The SAR is a measure of the rate of absorption of RF energy by the human body expressed in units of watts per kilogram (W/kg). The FCC requires wireless phones to comply with a safety limit of 1.6 watts per kilogram (1.6 W/kg).

The FCC SAR limit incorporates a substantial margin of safety to give additional protection to the public and to account for any variations in measurements.

SAR tests are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum reported value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output of the phone.

Before a new model phone is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the SAR limit established by the FCC. Tests for each model phone are performed in positions and locations (e.g. at the ear and worn on the body) as required by the FCC. For body-worn operation, this phone has been tested and meets

FCC RF exposure guidelines when used with an accessory that contains no metal and that positions the mobile device a minimum of 1.0 cm from the body.

Use of other accessories may not ensure compliance with FCC RF exposure guidelines. The FCC has granted an Equipment Authorization for this mobile phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. The maximum SAR values for this model phone as reported in the FCC equipment authorization are:

- Head: 0.84 W/Kg.
- Body-worn: 1.20 W/Kg.

FCCID: A3LSGHI437.

SAR information on this and other model phones can be accessed online on the FCC's website through http://transition.fcc.gov/oet/rfsafety/sar.html. To find information that pertains to a particular model phone, this site uses the phone FCC ID number which is usually printed somewhere on the case of the phone. Sometimes it may be necessary to remove the battery pack to find the number. Once you have the FCC ID number for a particular phone, follow the instructions on the website and it should provide values for typical or maximum SAR for a particular phone. Additional SAR information can also be obtained at http://www.fcc.gov/encyclopedia/specific-absorption-rate-sar-cellular-telephones.

FCC Part 15 Information to User

Pursuant to part 15.21 of the FCC Rules, you are cautioned that changes or modifications not expressly approved by Samsung could void your authority to operate the device.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Smart Practices While Driving

On the Road - Off the Phone

The primary responsibility of every driver is the safe operation of his or her vehicle.

Responsible drivers understand that no secondary task should be performed while driving whether it be eating, drinking, talking to passengers, or talking on a mobile phone - unless the driver has assessed the driving conditions and is confident that the secondary task will not interfere with their primary responsibility. **Do not engage in any activity while driving a moving vehicle which may cause you to take your eyes off the road or become so absorbed in the activity that your ability to concentrate on the act of driving becomes impaired**. Samsung is committed to promoting responsible driving and giving drivers the tools they need to understand and address distractions.

Check the laws and regulations on the use of mobile devices and their accessories in the areas where you drive. Always obey them. The use of these devices may be prohibited or restricted in certain areas. For example, only hands-free use may be permitted in certain areas.

Before answering calls, consider your circumstances. Let the call go to voicemail when driving conditions require. Remember, driving comes first, not the call!

If you consider a call necessary and appropriate, follow these tips:

- Use a hands-free device;
- Secure your phone within easy reach;
- Place calls when you are not moving;
- Plan calls when your car will be stationary;
- Do not engage in stressful or emotional conversations;
- Let the person with whom you are speaking know that you are driving and will suspend the call if necessary;
- Do not take notes or look up phone numbers while driving;

Notice regarding legal restrictions on mounting this device in an automobile:

Laws in some states may prohibit mounting this device on or near the windshield of an automobile. In other states, the law may permit mounting this device only in specific locations in the automobile. Be sure to consult the state and local laws or ordinances where you drive before mounting this device in an automobile. Failure to comply with these restrictions could result in fines, penalties, or other damages.

Never mount this device in a manner that will obstruct the driver's clear view of the street and traffic.

Never use wireless data services such as text messaging, Web browsing, or e-mail while operating a vehicle.

Never watch videos, such as a movie or clip, or play video games while operating a vehicle.

For more information, go to http://www.ctia.org.

Battery Use and Safety

Important! Handle and store batteries properly to avoid injury or damage. Most battery issues arise from improper handling of batteries and, particularly, from the continued use of damaged batteries.

- **Do not disassemble, crush, puncture, shred, or otherwise attempt to change the form of your battery**. Do not put a high degree of pressure on the battery. This can cause leakage or an internal short-circuit, resulting in overheating.
- **Do not let the phone or battery come in contact with liquids.** Liquids can get into the phone's circuits, leading to corrosion. Even when the phone appears to be dry and appears to operate normally, the circuitry could slowly corrode and pose a safety hazard. If the phone and/or battery get wet, have them checked by your service provider or contact Samsung, even if they appear to be working properly.
- **Do not place your battery in or near a heat source**. Excessive heating can damage the phone or the battery and could cause the phone or the battery to explode. Do not dry a wet or damp battery with an appliance or heat source such as a microwave oven, hair dryer, iron, or radiator. Avoid leaving your phone in your car in high temperatures.
- **Do not dispose of the phone or the battery in a fire**. The phone or the battery may explode when overheated.

- **Do not handle a damaged or leaking battery**. Do not let leaking battery fluid come in contact with your eyes, skin or clothing. For safe disposal options, contact your nearest Samsung-authorized service center.
- **Avoid dropping the cell phone**. Dropping the phone or the battery, especially on a hard surface, can potentially cause damage to the phone and battery. If you suspect damage to the phone or battery, take it to a service center for inspection.
- **Never use any charger or battery that is damaged in any way**.
- **Do not allow the battery to touch metal objects**. Accidental short-circuiting can occur when a metallic object (coin, key, jewelry, clip, or pen) causes a direct connection between the + and - terminals of the battery (metal strips on the battery), for example when you carry a spare battery in a pocket or bag. Short-circuiting the terminals may damage the battery or the object causing the short-circuiting.

Important! Use only Samsung-approved batteries, and recharge your battery only with Samsung-approved chargers which are specifically designed for your phone.

WARNING!

Use of a non-Samsung-approved battery or charger may present a risk of fire, explosion, leakage, or other hazard. Samsung's warranty does not cover damage to the phone caused by non-Samsung-approved batteries and/or chargers.

- **Do not use incompatible cell phone batteries and chargers**. Some websites and second-hand dealers not associated with reputable manufacturers and carriers, might be selling incompatible or even counterfeit batteries and chargers. Consumers should purchase manufacturer or carrier-recommended products and accessories. If unsure about whether a replacement battery or charger is compatible, contact the manufacturer of the battery or charger.
- **Misuse or use of incompatible phones, batteries, and charging devices could result in damage to the equipment and a possible risk of fire, explosion, or leakage, leading to serious injuries, damages to your phone, or other serious hazard**.

Samsung Mobile Products and Recycling

Samsung cares for the environment and encourages its customers to recycle Samsung mobile devices and genuine Samsung accessories.

Proper disposal of your mobile device and its battery is not only important for safety, it benefits the environment. Batteries must be recycled or disposed of properly.

Recycling programs for your mobile device, batteries, and accessories may not be available in your area.

We've made it easy for you to recycle your old Samsung mobile device by working with respected take-back companies in every state in the country.

Drop It Off

You can drop off your Samsung-branded mobile device and batteries for recycling at one of our numerous Samsung Recycling Direct (SM) locations. A list of these locations may be found at: http://pages.samsung.com/us/recyclingdirect/usactivities_environment_samsungrecyclingdirect_locations.jsp .

Samsung-branded devices and batteries will be accepted at these locations for no fee.

Consumers may also recycle their used mobile device or batteries at many retail or carrier-provided locations where mobile devices and batteries are sold. Additional information regarding specific locations may be found at: http://www.epa.gov/epawaste/partnerships/plugin/cellphone/index.htm or at http://www.call2recycle.org/.

Mail It In

The Samsung Mobile Take-Back Program will provide Samsung customers with a free recycling mailing label. Just go to http://www.samsung.com/us/aboutsamsung/citizenship/usactivities_environment_samsungrecyclingdirect.html?INT=STA_recyle_your_phone_page and follow the instructions to print out a free pre-paid postage label and then send your old mobile device or battery to the address listed, via U.S. Mail, for recycling.

Dispose of unwanted electronics through an approved recycler.

To find the nearest recycling location, go to our website:

www.samsung.com/recyclingdirect
Or call, (877) 278-0799.

Follow local regulations regarding disposal of mobile devices and batteries

Dispose of your mobile device and batteries in accordance with local regulations. In some areas, the disposal of these items in household or business trash may be prohibited. Help us protect the environment - recycle!

Warning! Never dispose of batteries in a fire because they may explode.

UL Certified Travel Charger

The Travel Charger for this phone has met applicable UL safety requirements. Please adhere to the following safety instructions per UL guidelines:

FAILURE TO FOLLOW THE INSTRUCTIONS OUTLINED MAY LEAD TO SERIOUS PERSONAL INJURY AND POSSIBLE PROPERTY DAMAGE.

IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS.

DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.

FOR CONNECTION TO A SUPPLY NOT IN NORTH AMERICA, USE AN ATTACHMENT PLUG ADAPTOR OF THE PROPER CONFIGURATION FOR THE POWER OUTLET.

THIS POWER UNIT IS INTENDED TO BE CORRECTLY ORIENTED IN A VERTICAL OR HORIZONTAL OR FLOOR MOUNT POSITION.

Display / Touch-Screen

Please note the following information when using your mobile device:

WARNING REGARDING DISPLAY

The display on your mobile device is made of glass or acrylic and could break if your mobile device is dropped or if it receives significant impact. Do not use if screen is broken or cracked as this could cause injury to you.

WARRANTY DISCLAIMER: PROPER USE OF A TOUCH-SCREEN MOBILE DEVICE

If your mobile device has a touch-screen display, please note that a touch-screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch-screen may damage the tempered glass surface and void the warranty. For more information, please refer to the "Standard Limited Warranty".

GPS

Certain Samsung mobile devices can use a Global Positioning System (GPS) signal for location based applications. A GPS uses satellites controlled by the U.S. Government that are subject to changes implemented in accordance with the Department of Defense policy and the 2008 Federal Radio navigation Plan (FRP). Changes may affect the performance of location-based technology on your mobile device.

Even with GPS, when you make an emergency call:

- Always tell the emergency responder your location to the best of your ability; and
- Remain on the mobile device for as long as the emergency responder instructs you.

Navigation

Maps, directions, and other navigation-data, including data relating to your current location, may contain inaccurate or incomplete data, and circumstances can and do change over time. In some areas, complete information may not be available. **Therefore, you should always visually confirm that the navigational instructions are consistent with what you see before following them. All users should pay attention to road conditions, closures, traffic, and all other factors that may impact safe driving or walking. Always obey posted road signs.**

Emergency Calls

This mobile device, like any wireless mobile device, operates using radio signals, wireless and landline networks, as well as user-programmed functions, which cannot guarantee connection in all conditions, areas, or circumstances.

Therefore, you should never rely solely on any wireless mobile device for essential communications (medical emergencies, for example). Before traveling in remote or underdeveloped areas, plan an alternate method of contacting emergency services personnel. Remember, to

make or receive any calls, the mobile device must be switched on and in a service area with adequate signal strength.

Emergency calls may not be possible on all wireless mobile device networks or when certain network services and/or mobile device features are in use. Check with local service providers.

To make an emergency call:

1. If the phone is not on, switch it on.
2. From the Home screen, tap . The dialer is displayed.
3. Key in the emergency number for your present location (for example, 911 or other official emergency number). Emergency numbers vary by location.
4. Tap the key.

If certain features are in use (call blocking, for example), you may first need to deactivate those features before you can make an emergency call. Consult your User Manual and your local cellular service provider. When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your mobile device may be the only means of communication at the scene of an accident; do not cut off the call until given permission to do so.

Care and Maintenance

Your mobile device is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you fulfill any warranty obligations and allow you to enjoy this product for many years:

Keep your Samsung Mobile Device away from:

Liquids of any kind

Keep the mobile device dry. Precipitation, humidity, and liquids contain minerals that will corrode electronic circuits. If the mobile device does get wet, do not accelerate drying with the use of an oven, microwave, or dryer, because this may damage the mobile device and could cause a fire or explosion.

Do not use the mobile device with a wet hand. Doing so may cause an electric shock to you or damage to the mobile device.

Extreme heat or cold

Avoid temperatures below 0°C / 32°F or above 45°C / 113°F.

Microwaves

Do not try to dry your mobile device in a microwave oven. Doing so may cause a fire or explosion.

Dust and dirt

Do not expose your mobile device to dust, dirt, or sand.

Cleaning solutions

Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the mobile device. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.

Shock or vibration

Do not drop, knock, or shake the mobile device. Rough handling can break internal circuit boards.

Paint

Do not paint the mobile device. Paint can clog the device's moving parts or ventilation openings and prevent proper operation.

Responsible Listening

Caution! Avoid potential hearing loss.

Damage to hearing occurs when a person is exposed to loud sounds over time. The risk of hearing loss increases as sound is played louder and for longer durations. Prolonged exposure to loud sounds (including music) is the most common cause of preventable hearing loss. Some scientific research suggests that using portable audio devices, such as portable music players and cell phones, at high volume settings for long durations may lead to permanent noise-induced hearing loss.

This includes the use of headphones (including headsets, earbuds, and Bluetooth® or other wireless devices). Exposure to very loud sound has also been associated in some studies with tinnitus (a ringing in the ear), hypersensitivity to sound, and distorted hearing. Individual susceptibility to noise-induced hearing loss and potential hearing problem varies. Additionally, the amount of sound produced by a portable audio device varies depending on the nature of the sound, the device settings, and the headphones

that are used. As a result, there is no single volume setting that is appropriate for everyone or for every combination of sound, settings, and equipment.

You should follow some common sense recommendations when using any portable audio device:

- Always turn the volume down before plugging the earphones into an audio source.
- Set the volume in a quiet environment and select the lowest volume at which you can hear adequately.
- Be aware that you can adapt to higher volume settings over time, not realizing that the higher volume may be harmful to your hearing.
- When using headphones, turn the volume down if you cannot hear the people speaking near you or if the person sitting next to you can hear what you are listening to.
- Do not turn the volume up to block out noisy surroundings. If you choose to listen to your portable device in a noisy environment, use noise-cancelling headphones to block out background environmental noise. By blocking background environment noise, noise cancelling headphones should allow you to hear the music at lower volumes than when using earbuds.
- Limit the amount of time you listen. As the volume increases, less time is required before you hearing could be affected.
- Avoid using headphones after exposure to extremely loud noises, such as rock concerts, that might cause temporary hearing loss. Temporary hearing loss might cause unsafe volumes to sound normal.
- Do not listen at any volume that causes you discomfort. If you experience ringing in your ears, hear muffled speech, or experience any temporary hearing difficulty after listening to your portable audio device, discontinue use and consult your doctor.

You can obtain additional information on this subject from the following sources:

American Academy of Audiology

11730 Plaza American Drive, Suite 300
Reston, VA 20190

Voice: (800) 222-2336
Email: info@audiology.org

Internet:
http://www.audiology.org/Pages/default.aspx

National Institute on Deafness and Other Communication Disorders

National Institutes of Health
31 Center Drive, MSC 2320
Bethesda, MD 20892-2320

Email: nidcdinfo@nih.gov

Internet:
http://www.nidcd.nih.gov/

National Institute for Occupational Safety and Health (NIOSH)

395 E Street, S.W., Suite 9200
Patriots Plaza Building
Washington, DC 20201

Voice: 1-800-35-NIOSH
(1-800-356-4674)
1-800-CDC-INFO (1-800-232-4636)
Outside the U.S. 513-533-8328

Email: cdcinfo@cdc.gov

Internet:
http://www.cdc.gov/niosh/topics/noise/default.html

1-888-232-6348 TTY

Operating Environment

Remember to follow any special regulations in force in any area, and always switch your mobile device off whenever it is forbidden to use it, or when it may cause interference or danger. When connecting the mobile device or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

Using Your Mobile Device Near Other Electronic Devices

Most modern electronic equipment is shielded from Radio Frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless mobile device. Consult the manufacturer to discuss alternatives.

Implantable Medical Devices

A minimum separation of six (6) inches should be maintained between a handheld wireless mobile device and an implantable medical device, such as a pacemaker or implantable cardioverter defibrillator, to avoid potential interference with the device.

Persons who have such devices:

- Should ALWAYS keep the mobile device more than six (6) inches from their implantable medical device when the mobile device is turned ON;
- Should not carry the mobile device in a breast pocket;
- Should use the ear opposite the implantable medical device to minimize the potential for interference;
- Should turn the mobile device OFF immediately if there is any reason to suspect that interference is taking place;
- Should read and follow the directions from the manufacturer of your implantable medical device. If you have any questions about using your wireless mobile device with an implantable medical device, consult your health care provider.

For more information see: http://www.fcc.gov/oet/rfsafety/rf-faqs.html#.

Other Medical Devices

If you use any other personal medical devices, consult the manufacturer of your device to determine if it is adequately shielded from external RF energy. Your physician may be able to assist you in obtaining this information. Switch your mobile device off in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles. Check with the manufacturer or its representative regarding your vehicle before using your mobile device in a motor vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your mobile device off in any facility where posted notices require you to do so.

Potentially Explosive Environments

Switch your mobile device off when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion

or fire resulting in bodily injury or even death. Users are advised to switch the mobile device off while at a refueling point (service station).

Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants, or where blasting operations are in progress. Areas with a potentially explosive atmosphere are often, but not always, clearly marked. They include below deck on boats, chemical transfer or storage facilities, vehicles using liquefied petroleum gas (such as propane or butane), areas where the air contains chemicals or particles, such as grain, dust, or metal powders, and any other area where you would normally be advised to turn off your vehicle engine.

When your Device is Wet

Do not turn on your device if it is wet. If your device is already on, turn it off and remove the battery immediately (if the device will not turn off or you cannot remove the battery, leave it as-is). Then, dry the device with a towel and take it to a service center.

FCC Hearing Aid Compatibility (HAC) Regulations for Wireless Devices

The U.S. Federal Communications Commission (FCC) has established requirements for digital wireless mobile devices to be compatible with hearing aids and other assistive hearing devices.

When individuals employing some assistive hearing devices (hearing aids and cochlear implants) use wireless mobile devices, they may detect a buzzing, humming, or whining noise. Some hearing devices are more immune than others to this interference noise, and mobile devices also vary in the amount of interference they generate.

The wireless telephone industry has developed a rating system for wireless mobile devices to assist hearing device users find mobile devices that may be compatible with their hearing devices. Not all mobile devices have been rated. Mobile devices that are rated have the rating on their box or a label located on the box.

The ratings are not guarantees. Results will vary depending on the user's hearing device and hearing loss. If your hearing device happens to be vulnerable to interference, you may not

be able to use a rated mobile device successfully. Trying out the mobile device with your hearing device is the best way to evaluate it for your personal needs.

M-Ratings: Wireless mobile devices rated M3 or M4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. M4 is the better/higher of the two ratings. M-ratings refer to enabling acoustic coupling with hearing aids that do not operate in telecoil mode.

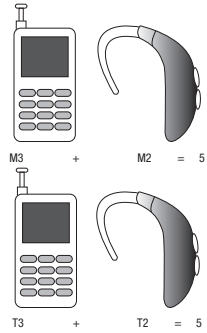
T-Ratings: Mobile devices rated T3 or T4 meet FCC requirements and are likely to generate less interference to hearing devices than mobile devices that are not labeled. T4 is the better/higher of the two ratings. T-ratings refer to enabling inductive coupling with hearing aids operating in telecoil mode.

Hearing devices may also be rated. Your hearing aid manufacturer or hearing health professional may help you find this rating. Higher ratings mean that the hearing device is relatively immune to interference noise.

Under the current industry standard, American National Standards Institute (ANSI) C63.19, the hearing aid and wireless mobile device rating values are added together to indicate how usable they are together. For example, if a hearing aid meets the M2 level rating and the wireless mobile device meets the M3 level rating, the sum of the two values equals M5.

Under the standard, this should provide the hearing aid user with normal use while using the hearing aid with the particular wireless mobile device. A sum of 6 or more would indicate excellent performance.

However, these are not guarantees that all users will be satisfied. T ratings work similarly.



The HAC rating and measurement procedure are described in the American National Standards Institute (ANSI) C63.19 standard.

HAC for Newer Technologies

This phone has been tested and rated for use with hearing aids for some of the wireless technologies that it uses. However, there may be some newer wireless technologies used in this phone that have not been tested yet for use with hearing aids.

It is important to try the different features of this phone thoroughly and in different locations, using your hearing aid or cochlear implant, to determine if you hear any interfering noise. Consult your service provider or the manufacturer of this phone for information on hearing aid compatibility. If you have questions about return or exchange policies, consult your service provider or phone retailer.

Restricting Children's Access to Your Mobile Device

Your mobile device is not a toy. Do not allow children to play with it because they could hurt themselves and others, damage the mobile device, or make calls that increase your mobile device bill.

Keep the mobile device and all its parts and accessories out of the reach of small children.

FCC Notice and Cautions

FCC Notice

The mobile device may cause TV or radio interference if used in close proximity to receiving equipment. The FCC can require you to stop using the mobile device if such interference cannot be eliminated. Vehicles using liquefied petroleum gas (such as propane or butane) must comply with the National Fire Protection Standard (NFPA-58). For a copy of this standard, contact the National Fire Protection Association.

Cautions

Any changes or modifications to your mobile device not expressly approved in this document could void your warranty for this equipment and void your authority to operate this equipment. Only use approved batteries, antennas, and chargers. The use of any unauthorized accessories may be dangerous and void the mobile device warranty if said accessories cause damage or a defect to the mobile device.

Although your mobile device is quite sturdy, it is a complex piece of equipment and can be broken. Avoid dropping, hitting, bending, or sitting on it.

Other Important Safety Information

- Only qualified personnel should service the mobile device or install the mobile device in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty applicable to the device.
- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Check regularly that all wireless mobile device equipment in your vehicle is mounted and operating properly.
- When using a headset in dry environments, static electricity can build up in the headset and cause a small quick static electrical shock. To minimize the risk of electrostatic discharge from the headset avoid using the headset in extremely dry environments or touch a grounded unpainted metal object to discharge static electricity before inserting the headset.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the mobile device, its parts, or accessories.
- For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including installed or portable wireless equipment near or in the area over the air bag or in the air bag deployment area. If wireless equipment is improperly installed and the air bag inflates, serious injury could result.
- Switch your mobile device off before boarding an aircraft. The use of wireless mobile devices in aircraft is illegal and may be dangerous to the aircraft's operation. Check with appropriate authorities before using any function of a mobile device while on an aircraft.
- Failure to observe these instructions may lead to the suspension or denial of cell phone services to the offender, or legal action, or both.
- While using your device, leave some lights on in the room and do not hold the screen too close to your eyes.
- Seizures or blackouts can occur when you are exposed to flashing lights while watching videos or playing games for extended periods. If you feel any discomfort, stop using the device immediately.

- Reduce risk of repetitive motion injuries. When you repetitively perform actions, such as pressing keys, drawing characters on a touch screen with your fingers, or playing games, you may experience occasional discomfort in your hands, neck, shoulders, or other parts of your body. When using your device for extended periods, hold the device with a relaxed grip, press the keys lightly, and take frequent breaks. If you continue to have discomfort during or after such use, stop use and see a physician.
- If your device has a camera flash or light, do not use the flash or light close to the eyes of people or pets. [122011]

Section 12: Warranty Information

Standard Limited Warranty

What is covered and for how long?

SAMSUNG TELECOMMUNICATIONS AMERICA, LLC ("SAMSUNG") warrants that SAMSUNG's handsets and accessories ("Products") are free from defects in material and workmanship under normal use and service for the period commencing upon the date of purchase by the first consumer purchaser and continuing for the following specified period of time after that date:

Phone	1 Year
Batteries	1 Year
Case/Pouch/Holster	90 Days
Other Phone Accessories	1 Year

What is not covered?

This Limited Warranty is conditioned upon proper use of the Product.

This Limited Warranty does not cover: (a) defects or damage resulting from accident, misuse, abnormal use, abnormal conditions, improper storage, exposure to liquid, moisture, dampness, sand or dirt, neglect, or unusual physical, electrical or electromechanical stress; (b) scratches, dents and cosmetic damage, unless caused by SAMSUNG; (c) defects or damage resulting from excessive force or use of a metallic object when pressing on a touch screen; (d) equipment that has the serial number or the enhancement data code removed, defaced, damaged, altered or made illegible; (e) ordinary wear and tear; (f) defects or damage resulting from the use of Product in conjunction or connection with accessories, products, or ancillary/peripheral equipment not furnished or approved by SAMSUNG; (g) defects or damage resulting from improper testing, operation, maintenance, installation, service, or adjustment not furnished or approved by SAMSUNG; (h) defects or damage resulting from external causes such as collision with an object, fire, flooding, dirt, windstorm, lightning, earthquake, exposure to weather conditions, theft, blown fuse, or improper use of any electrical source; (i) defects or damage resulting from cellular signal reception

or transmission, or viruses or other software problems introduced into the Product; or (j) Product used or purchased outside the United States. This Limited Warranty covers batteries only if battery capacity falls below 80% of rated capacity or the battery leaks, and this Limited Warranty does not cover any battery if (i) the battery has been charged by a battery charger not specified or approved by SAMSUNG for charging the battery; (ii) any of the seals on the battery are broken or show evidence of tampering; or (iii) the battery has been used in equipment other than the SAMSUNG phone for which it is specified.

What are SAMSUNG's obligations?

During the applicable warranty period, provided the Product is returned in accordance with the terms of this Limited Warranty, SAMSUNG will repair or replace the Product, at SAMSUNG's sole option, without charge. SAMSUNG may, at SAMSUNG's sole option, use rebuilt, reconditioned, or new parts or components when repairing any Product, or may replace the Product with a rebuilt, reconditioned or new Product.

Repaired/replaced cases, pouches and holsters will be warranted for a period of ninety (90) days. All other repaired/replaced Products will be warranted for a period equal to the remainder of the original Limited Warranty on the original Product or for ninety (90) days, whichever is longer. All replaced Products, parts, components, boards and equipment shall become the property of SAMSUNG. Except to any extent expressly allowed by applicable law, transfer or assignment of this Limited Warranty is prohibited.

What must you do to obtain warranty service?

To obtain service under this Limited Warranty, you must return the Product to an authorized phone service facility in an adequate container for shipping, accompanied by the sales receipt or comparable proof of sale showing the original date of purchase, the serial number of the Product and the seller's name and address.

To obtain assistance on where to deliver the Product, please call SAMSUNG Customer Care at 1-888-987-4357. If SAMSUNG determines that any Product is not covered by this Limited Warranty, you must pay all parts, shipping, and labor charges for the repair or return of such Product.

You should keep a separate backup copy of any contents of the Product before delivering the Product to SAMSUNG for warranty service, as some or all of the contents may be deleted or reformatted during the course of warranty service.

What are the limits on SAMSUNG's liability?

THIS LIMITED WARRANTY SETS OUT THE FULL EXTENT OF SAMSUNG'S RESPONSIBILITIES, AND THE EXCLUSIVE REMEDY REGARDING THE PRODUCTS.

ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL SAMSUNG BE LIABLE FOR DAMAGES IN EXCESS OF THE PURCHASE PRICE OF THE PRODUCT OR FOR, WITHOUT LIMITATION, COMMERCIAL LOSS OF ANY SORT; LOSS OF USE, TIME, DATA, REPUTATION, OPPORTUNITY, GOODWILL, PROFITS OR SAVINGS; INCONVENIENCE; INCIDENTAL, SPECIAL, CONSEQUENTIAL OR PUNITIVE DAMAGES; OR DAMAGES ARISING FROM THE USE OR INABILITY TO USE THE PRODUCT. SOME STATES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, OR THE DISCLAIMER OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATIONS AND DISCLAIMERS MAY NOT APPLY TO YOU.

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Nothing in the Product instructions or information shall be construed to create an express warranty of any kind with respect to the Products. No agent, employee, dealer, representative or reseller is authorized to modify or extend this Limited Warranty or to make binding representations or claims, whether in advertising, presentations or otherwise, on behalf of SAMSUNG regarding the Products or this Limited Warranty.

This Limited Warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

What is the procedure for resolving disputes?

ALL DISPUTES WITH SAMSUNG ARISING IN ANY WAY FROM THIS LIMITED WARRANTY OR THE SALE, CONDITION OR PERFORMANCE OF THE PRODUCTS SHALL BE RESOLVED EXCLUSIVELY THROUGH FINAL AND BINDING ARBITRATION, AND NOT BY A COURT OR JURY.

Any such dispute shall not be combined or consolidated with a dispute involving any other person's or entity's Product or claim, and specifically, without limitation of the foregoing, shall not under any circumstances proceed as part of a class action. The arbitration shall be conducted before a single arbitrator, whose award may not exceed, in form or amount, the relief allowed by the applicable law. The arbitration shall be conducted according to the American Arbitration Association (AAA) Commercial Arbitration Rules applicable to consumer disputes. This arbitration provision is entered pursuant to the Federal Arbitration Act. The laws of the State of Texas, without reference to its choice of laws principles, shall govern the interpretation of the Limited Warranty and all disputes that are subject to this arbitration provision. The arbitrator shall decide all issues of interpretation and application of this arbitration provision and the Limited Warranty.

For any arbitration in which your total damage claims, exclusive of attorney fees and expert witness fees, are $5,000.00 or less ("Small Claim"), the arbitrator may, if you prevail, award your reasonable attorney fees, expert witness fees and costs as part of any award, but may not grant SAMSUNG its attorney fees, expert witness fees or costs unless it is determined that the claim was brought in bad faith. In a Small Claim case, you shall be required to pay no more than half of the total administrative, facility and arbitrator fees, or $50.00 of such fees, whichever is less, and SAMSUNG shall pay the remainder of such fees. Administrative, facility and arbitrator fees for arbitrations in which your total damage claims, exclusive of attorney fees and expert witness fees, exceed $5,000.00 ("Large Claim") shall be determined according to AAA rules. In a Large Claim case, the arbitrator may grant to the prevailing party, or apportion among the parties, reasonable attorney fees, expert witness fees and costs. Judgment may be entered on the arbitrator's award in any court of competent jurisdiction.

This arbitration provision also applies to claims against SAMSUNG's employees, representatives and affiliates if any such claim arises from the Product's sale, condition or performance.

You may opt out of this dispute resolution procedure by providing notice to SAMSUNG no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product. To opt out, you must send notice by e-mail to optout@sta.samsung.com, with the subject line: "Arbitration Opt Out." You must include in the opt out e-mail (a) your name and address; (b) the date on which the Product was purchased; (c) the Product model name or model number; and (d) the IMEI or MEID or Serial Number, as applicable, if you have it (the IMEI or MEID or Serial Number can be found (i) on the Product box; (ii) on the Product information screen, which can be found under "Settings;" (iii) on a label on the back of the Product beneath the battery, if the battery is removable; and (iv) on the outside of the Product if the battery is not removable). Alternatively, you may opt out by calling 1-888-987-4357 no later than 30 calendar days from the date of the first consumer purchaser's purchase of the Product and providing the same information. These are the only two forms of notice that will be effective to opt out of this dispute resolution procedure. Opting out of this dispute resolution procedure will not affect the coverage of the Limited Warranty in any way, and you will continue to enjoy the benefits of the Limited Warranty.

Severability

If any portion of this Limited Warranty is held to be illegal or unenforceable, such partial illegality or unenforceability shall not affect the enforceability of the remainder of the Limited Warranty.

Precautions for Transfer and Disposal

If data stored on this device is deleted or reformatted using the standard methods, the data only appears to be removed on a superficial level, and it may be possible for someone to retrieve and reuse the data by means of special software.

To avoid unintended information leaks and other problems of this sort, it is recommended that the device be returned to Samsung's Customer Care Center for an Extended File System (EFS) Clear which will eliminate all user memory and return all settings to default settings. Please contact the **Samsung Customer Care Center** for details.

Important! Please provide warranty information (proof of purchase) to Samsung's Customer Care Center in order to provide this service at no charge. If the warranty has expired on the device, charges may apply.

Samsung Telecommunications America, LLC
1301 E. Lookout Drive
Richardson, Texas 75082
Phone: 1-800-SAMSUNG
Phone: 1-888-987-HELP (4357)

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